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Ohio Labor Market Information

Labor Market Review

August 1988

Summary. Ohio's seasonally adjusted unemployment rate was 5.6 percent in August, up from 5.3 percent in July. The U.S. rate was also 5.6 percent in August, compared with 5.4 percent in July. The number of unemployed Ohioans rose 19,000 from July, to 298,000 in August, while total employment advanced 27,000 to reach 5,000,000. Seasonally adjusted nonagricultural payroll employment in Ohio increased 9,000 from July, to 4,696,000 in August, largely due to hiring in services and retail trade. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,099,000 in August, was unchanged from July. Employment in durable-goods industries increased 1,000, to 737,000, as declines in fabricated structural metal products and motor vehicles and equipment were offset by improvements in nonferrous rolling and drawing mills and electrical industrial apparatus. Nondurable-goods employment declined 1,000, to 362,000. Employment in preserved fruits and vegetables registered less than normal gains due to the drought.

Nonmanufacturing. Nonmanufacturing employment in Ohio rose 9,000 from July, to 3,597,000 in August. Noteworthy advances were reported in services (up 4,000) and in retail trade (up 3,000). Gains in business and health services and in eating and drinking places and general merchandise stores accounted for most of the increase. Wholesale trade and finance, insurance, and real estate were up 1,000 each. All other nonmanufacturing divisions had the same employment in August as in July.

Over the Year. Ohio's unemployment rate fell from 6.9 percent in August 1987 to 5.6 percent in August 1988, as the number of unemployed workers declined 63,000. Total employment rose 127,000 over the year. The national unemployment rate dropped from 6.0 percent in August 1987 to 5.6 percent in August 1988. Nonagricultural wage and salary employment in Ohio was up 107,000 from August 1987. Services gained 42,000 jobs, while retail trade added 26,000. Construction also improved notably, with an increase of 14,000. All other nonmanufacturing divisions had small gains, except mining, which declined 1,000. Manufacturing employment was 4,000 higher than in August 1987, due to advances of 2,000 in both durable- and nondurable-goods industries.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $507.88 per week in August, up $5.36 from July. Their average workweek increased .2 hours, to 42.5 hours. Increased overtime boosted earnings in several industries. The most significant were motor vehicles and equipment, iron and steel foundries, metal forgings and stampings, and miscellaneous plastics products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 50,357 in August, down 2.8 percent from July, and down 6.7 percent from August 1987.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Total benefits paid increased 8.6 percent from July, to $39.1 million. The average benefit check of $151.17 was $1.77 higher. The average weekly number of benefit recipients rose 1.4 percent, to 58,646. There were 200,659 active employer accounts at the end of August.

Employment Service. The Ohio Bureau of Employment Services aided 41,677 new job applicants in August, up 8.3 percent from July and up 3.4 percent from August 1987. There were 20,060 job openings received from employers, up 10.1 percent from July and up 19.1 percent from August 1987. The Employment Services Division made 35,536 referrals and 10,279 placements.

Save Money, Hire A Vet

The Veterans' Job Training Act Program was created to help industry fill permanent positions that involve at least six months of significant training of Korean conflict and Vietnam-era veterans.

* Employers are provided with 50 percent of the starting wage, up to $10,000 per veteran, when they hire and train veterans in a growth industry or a technology-based or demand occupation.

* Training is funded for six to nine months.

* Half the cost of training, up to $10,000, paid directly to the employer, is invoiced quarterly. Small businesses can arrange to invoice monthly.

Contact your nearest local OBES office for further information.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1988	Jul. 1988	Aug. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,298	5,252	5,234	46	64	0.9	1.2
Employment	5,000	4,973	4,873	27	127	0.5	2.6
Unemployment	298	279	361	19	-63	6.8	-17.5
Unemployment Rate	5.6	5.3	6.9				
Employer Survey Data[e]							
Total	4,696	4,687	4,589	9	107	0.2	2.3
Manufacturing	1,099	1,099	1,095	0	4	0.0	0.4
Durable Goods	737	736	734	1	2	0.1	0.3
Nondurable Goods	362	363	360	-1	2	-0.2	0.5
Nonmanufacturing	3,597	3,588	3,494	9	102	0.2	2.9
Mining	20	20	21	0	-1	0.5	-2.9
Construction	191	191	177	0	14	-0.1	7.8
Transportation and Public Utilities	210	210	207	0	3	0.1	1.2
Wholesale Trade	257	256	250	1	7	0.3	2.9
Retail Trade	875	873	850	3	26	0.3	3.0
Finance, Insurance, and Real Estate	252	251	245	1	7	0.4	2.9
Services	1,098	1,094	1,057	4	42	0.4	3.9
Government	693	693	688	0	5	0.0	0.8
Goods Producing Industries[f]	1,310	1,310	1,293	0	17	0.0	1.3
Service Producing Industries[g]	3,386	3,377	3,296	9	89	0.3	2.7

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	US	
					1986
5,194	4,773	421	8.1	6.9	August
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,268	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July
5,298	5,000	298	5.6	5.6	August

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
				1986
4,481	1,107	750	357	August
4,484	1,098	742	356	September
4,495	1,098	740	358	October
4,509	1,102	744	358	November
4,521	1,103	745	357	December
				1987
4,532	1,096	740	356	January
4,549	1,099	742	357	February
4,552	1,093	737	356	March
4,550	1,096	738	357	April
4,560	1,094	736	357	May
4,568	1,092	735	357	June
4,567	1,082	725	358	July
4,589	1,095	734	360	August
4,597	1,097	737	360	September
4,610	1,097	736	361	October
4,626	1,100	738	362	November
4,639	1,103	739	364	December
				1988
4,654	1,104	739	366	January
4,665	1,102	737	364	February
4,667	1,096	732	364	March
4,667	1,099	736	363	April
4,673	1,099	736	362	May
4,682	1,100	737	363	June
4,687	1,099	736	363	July
4,696	1,099	737	362	August

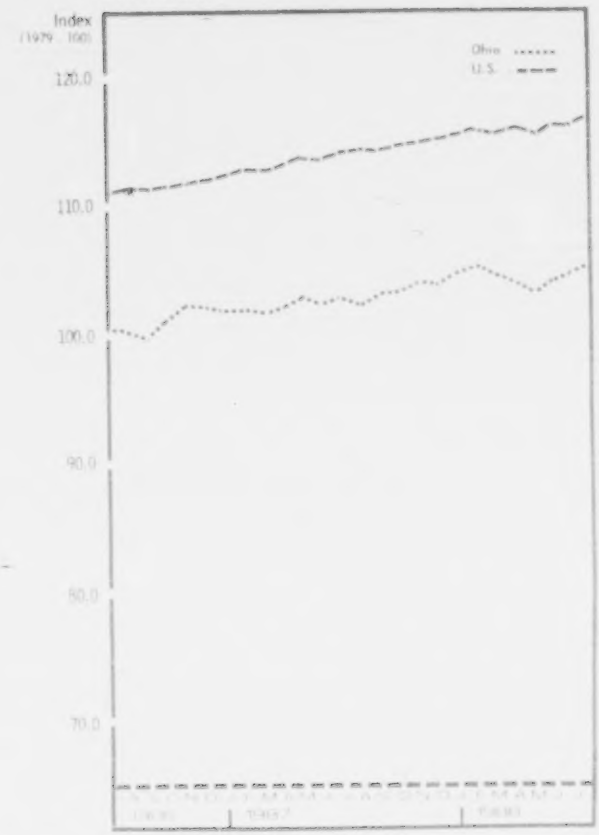
Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

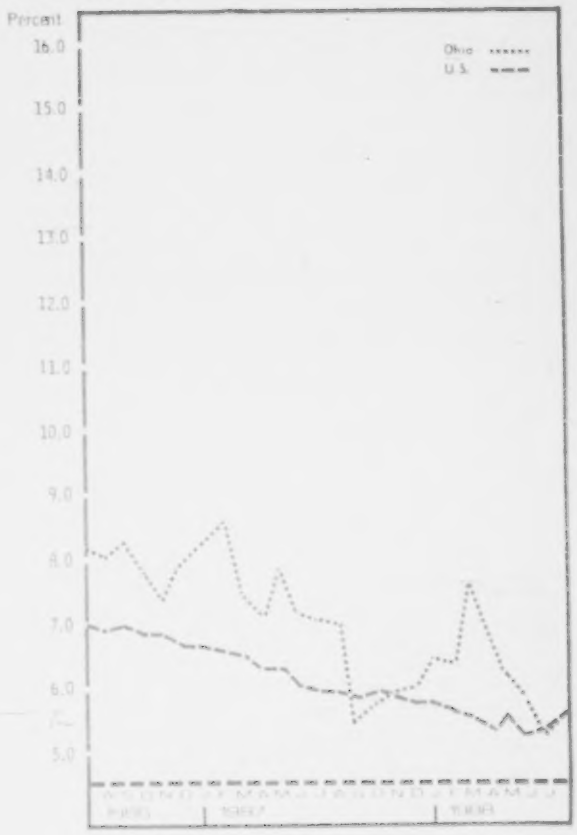
Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
					1986				
3,374	22	161	204	244	August	823	234	1009	678
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,588	20	191	210	256	July	873	251	1094	693
3,597	20	191	210	257	August	875	252	1098	693

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.

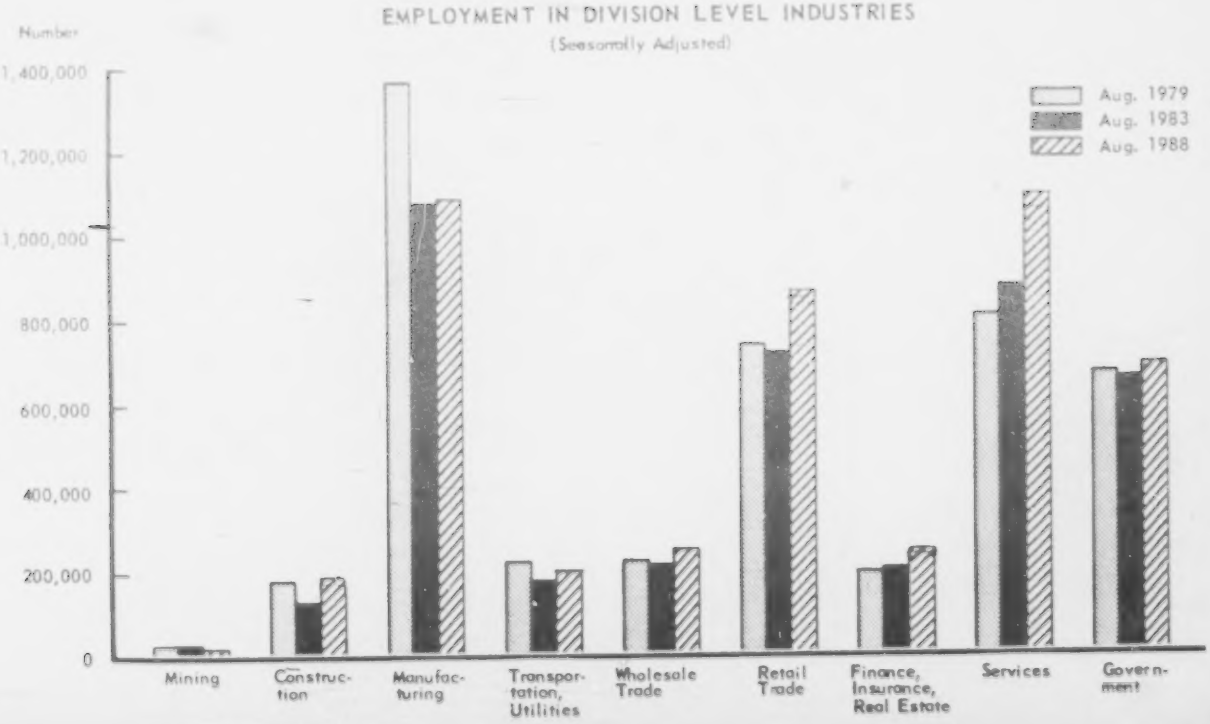
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)



UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
5,289	4,924	365	6.9	5.8	1987 August
5,190	4,903	288	5.5	5.7	September
5,243	4,940	302	5.8	5.7	October
5,285	4,980	305	5.8	5.6	November
5,259	4,937	322	6.1	5.4	December
5,258	4,883	375	7.1	6.3	1988 January
5,279	4,905	374	7.1	6.2	February
5,295	4,879	416	7.9	5.9	March
5,257	4,941	316	6.0	5.3	April
5,243	4,941	302	5.8	5.4	May
5,325	5,002	323	6.1	5.5	June
5,336	5,064	272	5.1	5.5	July
5,343	5,044	299	5.6	5.4	August

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,578.9	1,095.3	736.4	358.9	1987
4,591.0	1,097.5	733.6	363.9	1987 August
4,641.3	1,108.3	742.1	366.2	September
4,658.8	1,099.8	736.4	363.4	October
4,674.2	1,103.7	740.2	363.6	November
4,676.9	1,102.9	738.6	364.3	December
4,565.8	1,094.5	732.6	361.9	1988 January
4,568.8	1,092.4	732.3	360.1	February
4,595.8	1,088.8	729.0	359.7	March
4,653.9	1,097.7	737.1	360.6	April
4,704.6	1,099.7	738.4	361.3	May
4,728.6	1,106.7	742.1	364.7	June
4,692.8	1,100.0	736.6	363.3	July
4,699.6	1,101.7	736.0	365.7	August

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
3,493.5	21.1	196.8	209.1	251.1	1987 August	858.1	247.2	1,068.6	641.4
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
3,471.3	20.1	163.5	203.3	250.9	1988 January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	May	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	June	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	July	878.8	253.9	1,108.4	653.2
3,597.9	20.6	212.2	211.7	258.3	August	883.9	254.5	1,110.5	646.3

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment
(in thousands)

Manufacturing	Durable Goods	Nondurable Goods	
1,344.1	945.2	398.9	1977
1,377.2	974.5	402.7	1978
1,382.3	980.5	401.8	1979
1,264.3	882.6	381.8	1980
1,232.6	860.4	372.2	1981
1,099.9	752.4	347.5	1982
1,066.0	723.6	342.4	1983
1,127.0	773.4	353.6	1984
1,124.3	768.7	355.5	1985
1,109.8	752.7	357.1	1986
1,095.3	736.4	358.9	1987
			1987
1,097.5	733.6	363.9	August
1,108.3	742.1	366.2	September
1,099.8	735.4	363.4	October
1,103.7	740.2	363.6	November
1,102.9	738.6	364.3	December
			1988
1,094.5	732.6	361.9	January
1,092.4	732.3	360.1	February
1,088.8	729.0	359.7	March
1,097.7	737.1	360.6	April
1,099.2	738.4	361.3	May
1,106.7	742.1	364.7	June
1,100.0	736.6	363.3	July
1,101.7	736.0	365.7	August

Production Workers in Manufacturing

Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)	
958.0	$271.2	40.2	1977
985.5	302.5	41.5	1978
979.0	318.5	40.6	1979
867.8	301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.4	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
748.5	374.0	31.9	1987
			1987
749.2	368.9	31.7	August
760.8	380.5	32.4	September
753.7	380.3	32.3	October
759.3	388.2	32.8	November
758.6	388.9	32.8	December
			1988
750.1	380.8	32.1	January
748.5	376.4	31.7	February
744.5	378.6	31.8	March
752.3	388.8	32.4	April
754.3	389.5	32.4	May
759.3	396.2	32.9	June
751.9	377.8	31.8	July
753.6	382.7	32.0	August

Production Workers Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.28	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.93	439.71	1986
499.70	519.52	455.03	1987
			1987
492.17	510.00	453.36	August
500.12	516.67	461.92	September
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.23	465.89	April
516.43	540.27	460.90	May
521.77	547.83	464.62	June
502.52	521.83	461.47	July
507.88	526.87	464.67	August

Production Workers Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.3	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.9	42.2	June
42.3	42.6	41.8	July
42.5	42.8	41.9	August

Production Workers Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$6.74	$6.92	$6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.37	1986
11.73	12.11	10.86	1987
			1987
11.64	12.00	10.82	August
11.74	12.10	10.92	September
11.76	12.13	10.90	October
11.84	12.22	10.96	November
11.84	12.21	10.99	December
			1988
11.86	12.23	10.98	January
11.86	12.27	10.92	February
11.91	12.31	10.97	March
12.02	12.43	11.04	April
12.01	12.42	11.00	May
12.05	12.48	11.01	June
11.88	12.25	11.04	July
11.95	12.31	11.09	August

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

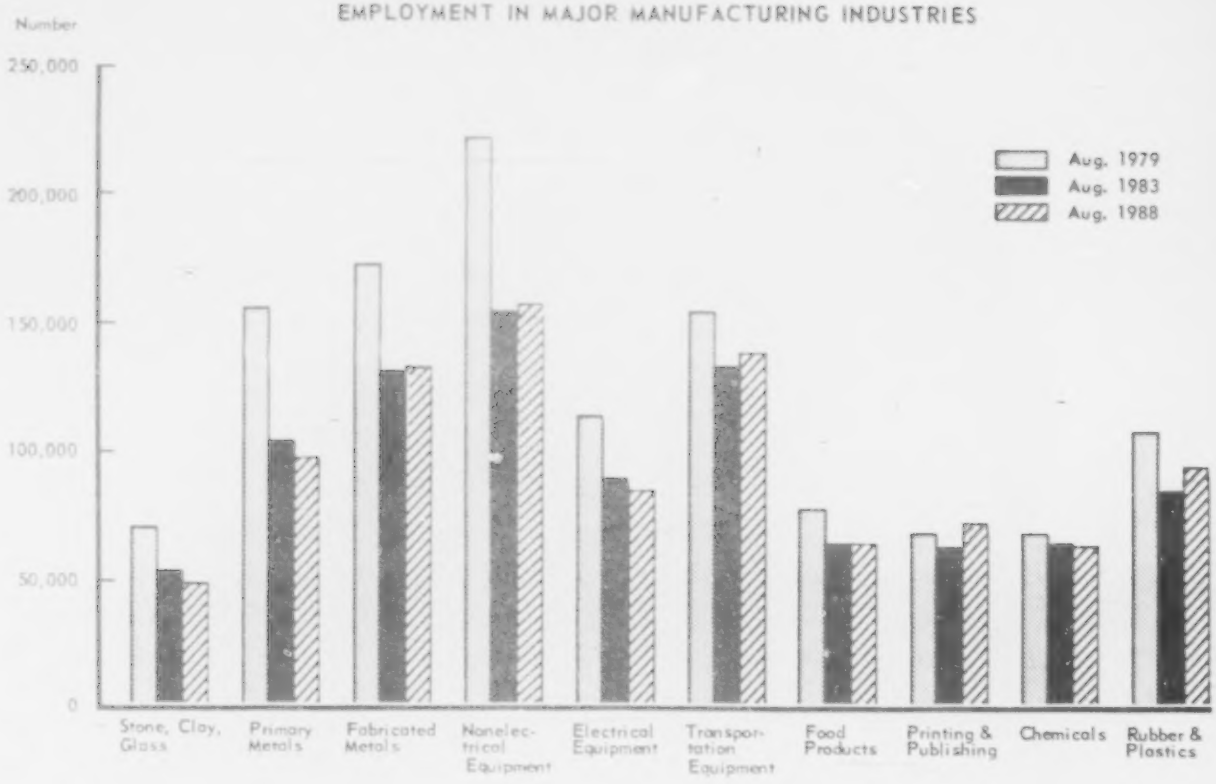
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.5	95.3	132.8	August	153.8	85.4	145.6	August	67.1	70.9	92.4
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
48.9	98.3	133.1	August	156.9	85.4	138.6	August	64.6	71.7	93.8

Average Weekly Earnings of Production Workers

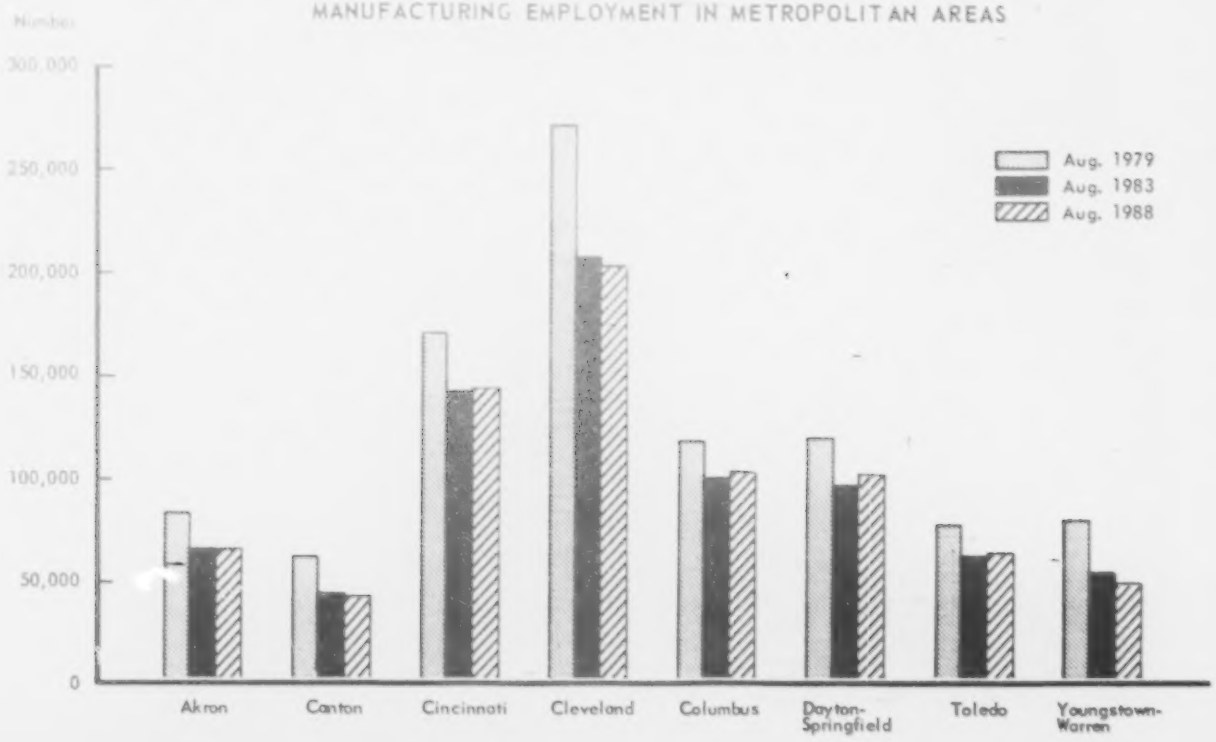
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
461.78	619.10	503.79	August	511.17	465.92	657.05	August	464.77	448.67	442.66

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	4699.6	4692.8	4591.0	6.8	108.6
MANUFACTURING	1101.7	1100.0	1097.5	1.7	4.2
Durable Goods[e]	736.0	736.6	733.6	- .6	2.4
Lumber and wood products	22.8	22.6	20.5	.2	2.3
Furniture and fixtures	14.2	14.5	14.6	- .3	- .5
Stone, clay, and glass products	48.9	48.9	48.5	.1	.4
Glass and glassware, pressed or blown	9.6	9.5	9.8	.1	- .3
Primary metal industries	98.3	97.7	95.3	.6	3.0
Blast furnace and basic steel products	45.3	45.3	43.0	.0	2.2
Iron and steel foundries	20.7	20.8	19.8	- .1	.9
Nonferrous rolling and drawing	17.4	16.7	17.2	.8	.2
Fabricated metal products	133.1	134.0	132.8	- .9	.4
Cutlery, hand tools, and hardware	9.7	9.8	9.5	- .1	.2
Fabricated structural metal products	27.7	28.5	29.5	- .8	- 1.9
Metal forgings and stampings	41.8	42.1	41.3	- .2	.5
Machinery, except electrical	156.9	157.3	153.8	- .4	3.0
Construction and related machinery	12.8	12.8	12.2	.1	.6
Metalworking machinery	40.3	40.3	39.7	.0	.5
Special industry machinery	17.7	17.4	16.4	.3	1.3
General industrial machinery	27.7	27.8	27.4	- .1	.3
Office and computing machines	13.1	13.4	13.7	- .3	- .6
Refrigeration and service machinery	15.4	15.8	16.1	- .3	- .7
Electric and electronic equipment	85.4	84.7	85.4	.8	- .1
Electrical industrial apparatus	16.9	16.1	15.9	.8	1.0
Household appliances	15.4	15.6	16.0	- .2	- .6
Electric lighting and wiring equipment	16.8	16.7	16.6	.1	.2
Communication equipment	10.1	10.0	10.2	.1	- .1
Transportation equipment	138.6	139.5	145.6	- .9	- 7.0
Motor vehicles and equipment	90.6	91.5	91.8	- .9	- 1.2
Aircraft and parts	39.3	39.4	44.1	- .1	- 4.8
Instruments and related products	23.5	23.2	23.0	.3	.6
Measuring and controlling devices	12.8	12.7	12.8	.1	.0
Nondurable Goods[f]	365.7	363.3	363.9	2.3	1.8
Food and kindred products	64.6	63.4	67.1	1.3	- 2.5
Meat products	9.4	9.3	9.5	.2	- .0
Dairy products	11.1	11.1	10.6	.0	.5
Preserved fruits and vegetables	11.0	10.2	13.8	.9	- 2.8
Bakery products	9.3	9.2	9.1	.0	.1
Beverages	9.8	9.7	9.8	.0	- .1
Apparel and other textile products	16.5	16.3	15.9	.1	.6
Paper and allied products	37.4	37.6	36.9	- .2	.5
Misc. converted paper products	12.2	12.1	12.0	.1	.3
Paperboard containers and boxes	13.1	13.2	12.8	- .1	.3
Printing and publishing	71.7	71.1	70.9	.6	.9
Newspapers	19.3	19.3	19.4	.0	- .1
Commercial printing	26.5	26.3	26.2	.2	.3
Chemicals and allied products	64.5	64.4	63.7	.1	.7
Industrial inorganic chemicals	9.3	9.3	9.3	.0	.0
Rubber and misc. plastics products	93.8	93.4	92.4	.4	1.4
Tires and inner tubes	17.2	17.2	17.3	.0	- .2
Miscellaneous plastics products	55.9	55.5	54.8	.3	1.1

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3597.9	3592.8	3493.5	5.1	104.4
MINING	20.6	20.5	21.1	.0	- .6
Bituminous coal and lignite mining	8.5	8.5	9.3	.0	- .8
Oil and gas extraction	6.9	7.0	6.8	- .1	.1
CONSTRUCTION	212.2	209.0	196.8	3.2	15.4
General building contractors	52.8	52.6	48.8	.2	4.0
Heavy construction contractors	30.1	29.6	27.9	.5	2.2
Highway and street construction	14.5	14.2	12.8	.3	1.7
Special trade contractors	129.3	126.8	120.1	2.5	9.1
TRANSPORTATION AND PUBLIC UTILITIES	211.7	211.2	209.1	.5	2.5
Railroad transportation	13.6	13.6	14.4	.0	- .8
Transportation, except railroads	108.0	107.6	104.9	.5	3.2
Trucking and warehousing	74.6	74.3	73.3	.3	1.3
Communication, electric, gas services	90.1	90.1	89.9	.0	.2
Communication	47.7	47.7	47.4	.0	.3
Electric, gas, and sanitary services	42.3	42.4	42.5	.0	- .1
WHOLESALE TRADE	258.3	257.9	251.1	.4	7.2
Wholesale trade-durable goods	162.4	161.9	157.8	.4	4.6
Motor vehicles & automotive equipment	22.4	22.4	21.9	.0	.5
Electrical goods	19.5	19.6	19.2	- .1	.3
Machinery, equipment, and supplies	69.2	69.0	67.7	.2	1.6
Wholesale trade-nondurable goods	95.9	96.0	93.3	.0	2.6
Groceries and related products	30.2	30.1	29.2	.1	1.0
RETAIL TRADE	883.9	878.8	858.1	5.1	25.8
General merchandise stores	118.1	116.9	116.6	1.2	1.5
Department stores	102.3	101.5	101.4	.8	.9
Food stores	134.9	134.3	131.7	.6	3.2
Automotive dealers & service stations	97.5	97.2	94.5	.3	3.0
Apparel and accessory stores	44.2	43.3	41.6	.9	2.6
Eating and drinking places	315.1	313.6	307.0	1.6	8.1
FINANCE, INSURANCE, AND REAL ESTATE	254.5	253.9	247.2	.6	7.2
Banking	65.1	64.9	63.9	.2	1.1
Credit agencies other than banks	38.4	38.7	37.8	- .2	.6
Insurance carriers	69.7	69.4	68.3	.2	1.4
Life insurance	25.7	25.6	25.8	.1	- .1
Fire, marine, and casualty insurance	31.2	31.1	30.1	.0	1.1
SERVICES	1110.5	1108.4	1068.6	2.2	42.0
Hotels and other lodging places	37.7	37.3	37.1	.3	.5
Personal services	58.1	57.8	55.8	.2	2.3
Laundry, cleaning, & garment services	19.3	19.3	18.8	.1	.5
Business services	228.5	227.0	214.4	1.4	14.0
Services to buildings	32.2	32.0	30.1	.2	2.1
Computer and data processing services	21.0	20.9	18.9	.1	2.1
Amusement and recreation services	55.7	55.3	54.4	.4	1.3
Health services	373.8	373.4	364.6	.4	9.2
Nursing and personal care facilities	83.4	82.7	80.8	.7	2.6
Hospitals	180.0	180.4	178.7	- .4	1.3
Educational services	48.6	49.5	47.5	- 1.0	1.1
Colleges and universities	23.7	24.2	22.9	- .5	.8
GOVERNMENT	646.3	653.2	641.4	- 6.8	4.9
Federal government	94.9	94.8	95.2	.1	- .3
State government	137.2	139.9	133.9	- 2.7	3.2
State government education[1]	59.6	62.9	57.3	- 3.2	2.3
State government, except education	77.6	77.0	76.6	.5	1.0
Local government	414.3	418.5	412.3	- 4.2	2.0
Local government education	219.9	222.8	219.1	- 2.9	.8
Local government, except education	194.4	195.7	193.3	- 1.3	1.1

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$507.88	$502.52	$492.37	42.5	42.3	42.3	$11.95	$11.88	$11.64
Durable Goods[e]	526.87	521.85	510.00	42.8	42.6	42.5	12.31	12.25	12.00
Lumber and wood products	315.88	319.90	300.94	41.4	41.6	41.0	7.63	7.69	7.34
Furniture and fixtures	382.13	367.43	363.58	41.9	41.1	41.6	9.12	8.94	8.74
Stone, clay, and glass products	461.78	458.53	440.96	42.6	42.3	41.6	10.84	10.84	10.60
Glass and glassware, pressed or blown	503.96	495.85	460.69	43.0	42.2	40.2	11.72	11.75	11.46
Primary metal industries	619.10	607.31	603.90	44.7	44.2	44.7	13.85	13.74	13.51
Blast furnace and basic steel products	649.29	648.99	628.24	45.5	45.8	45.1	14.27	14.17	13.93
Iron and steel foundries	628.70	590.44	623.76	44.4	42.6	45.2	14.16	13.86	13.80
Nonferrous rolling and drawing	620.08	615.94	610.30	41.7	41.2	42.5	14.87	14.95	14.36
Fabricated metal products	503.79	498.80	484.26	42.3	42.2	42.0	11.91	11.82	11.53
Cutlery, hand tools, and hardware	478.36	472.80	460.85	40.3	40.0	39.9	11.87	11.82	11.55
Fabricated structural metal products	456.65	458.15	474.64	42.4	42.5	44.4	10.77	10.78	10.69
Metal forgings and stampings	618.88	608.14	578.98	43.4	43.1	42.2	14.26	14.11	13.72
Machinery, except electrical	511.17	517.65	489.41	43.1	43.5	42.3	11.86	11.90	11.57
Construction and related machinery	431.34	429.70	397.40	42.0	41.8	39.9	10.27	10.28	9.96
Metalworking machinery	497.45	505.79	475.76	44.1	44.8	42.9	11.28	11.29	11.09
Special industry machinery	486.92	523.22	480.25	42.9	45.3	42.5	11.35	11.55	11.30
General industrial machinery	523.70	524.06	502.98	42.2	42.4	41.5	12.41	12.36	12.12
Office and computing machines	463.19	460.08	442.53	42.3	42.6	44.7	10.95	10.80	9.90
Refrigeration and service machinery	596.39	591.16	537.25	43.5	42.9	41.2	13.71	13.78	13.04
Electric and electronic equipment	465.92	457.56	458.43	41.6	41.0	41.3	11.20	11.16	11.10
Electrical industrial apparatus	488.40	464.58	482.85	44.4	42.7	43.5	11.00	10.88	11.10
Household appliances	486.81	474.38	474.66	40.5	40.1	40.5	12.02	11.83	11.72
Electric lighting and wiring equipment	476.51	458.61	442.49	41.4	40.3	39.9	11.51	11.38	11.09
Communication equipment	465.23	482.86	483.18	39.9	41.2	40.4	11.66	11.72	11.96
Transportation equipment	657.05	639.64	628.00	43.6	42.9	43.4	15.07	14.91	14.47
Motor vehicles and equipment	685.08	658.94	643.44	44.0	42.9	43.3	15.57	15.36	14.86
Aircraft and parts	591.82	601.34	606.76	42.7	43.2	44.0	13.86	13.92	13.79
Instruments and related products	366.03	370.40	371.78	39.7	40.0	40.9	9.22	9.26	9.09
Measuring and controlling devices	357.89	359.21	355.03	38.4	38.5	39.1	9.32	9.33	9.08
Nondurable Goods[f]	464.67	461.47	453.36	41.9	41.8	41.9	11.09	11.04	10.82
Food and kindred products	464.77	447.30	435.11	42.6	42.0	42.7	10.91	10.65	10.19
Meat products	371.90	374.67	378.78	40.6	41.4	41.9	9.16	9.05	9.04
Dairy products	460.73	465.21	469.57	42.7	43.6	43.6	10.79	10.67	10.77
Preserved fruits and vegetables	490.48	459.95	416.38	43.1	41.4	43.6	11.38	11.11	9.55
Bakery products	469.24	467.25	462.04	39.8	39.8	39.9	11.79	11.74	11.58
Beverages	456.22	470.24	450.64	42.4	43.3	43.0	10.76	10.86	10.48
Apparel and other textile products	293.53	292.79	290.97	39.4	39.3	38.9	7.45	7.45	7.48
Paper and allied products	484.34	496.13	499.97	43.4	44.1	44.6	11.16	11.25	11.21
Misc. converted paper products	429.41	464.27	468.59	43.2	44.9	44.5	9.94	10.34	10.53
Paperboard containers and boxes	429.24	428.66	435.02	42.0	42.4	43.2	10.22	10.11	10.07
Printing and publishing	448.67	440.27	432.06	39.6	39.1	39.1	11.33	11.26	11.05
Newspapers	369.99	371.07	359.14	34.1	34.2	34.4	10.85	10.85	10.44
Commercial printing	451.95	432.12	433.35	40.9	39.9	40.5	11.05	10.83	10.70
Chemicals and allied products	552.47	554.65	531.29	42.4	42.6	41.9	13.03	13.02	12.68
Industrial inorganic chemicals	584.64	567.74	598.13	43.5	42.4	43.5	13.44	13.39	13.75
Rubber and misc. plastics products	442.66	434.70	443.65	42.4	42.0	42.7	10.44	10.35	10.39
Tires and inner tubes	689.41	675.19	653.16	46.3	45.9	45.9	14.89	14.71	14.23
Miscellaneous plastics products	421.93	413.17	422.52	41.9	41.4	42.0	10.07	9.98	10.06

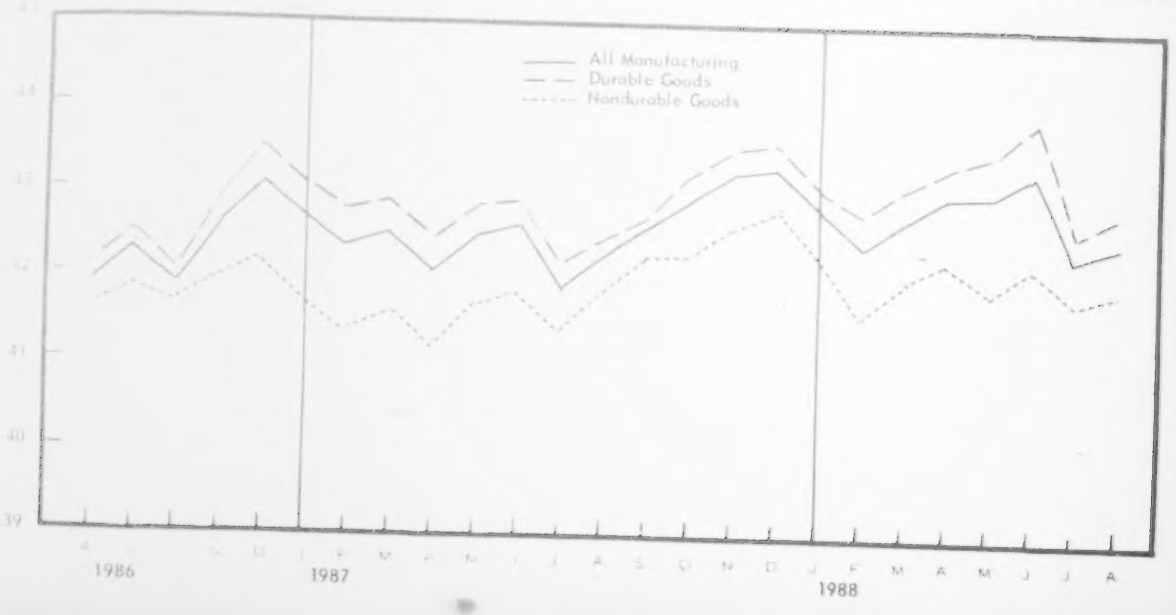
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

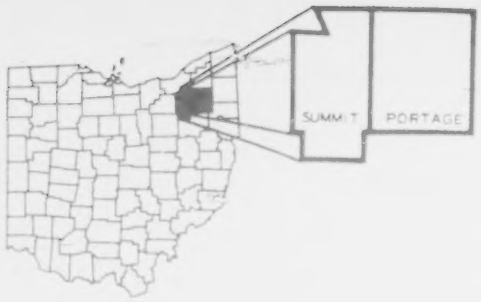
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MINING	$560.16	$536.21	$545.10	43.9	43.0	43.4	$12.76	$12.47	$12.56
Bituminous coal and lignite mining	683.14	630.59	662.28	43.1	40.5	42.7	15.85	15.57	15.51
CONSTRUCTION	596.69	600.40	577.60	39.7	40.0	39.4	15.03	15.01	14.66
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	587.81	573.09	560.88	41.6	41.2	41.0	14.13	13.91	13.68
Communication	572.11	547.56	555.42	41.1	40.5	40.9	13.92	13.52	13.58
Electric, gas, and sanitary services	605.40	604.14	567.59	42.1	42.1	41.1	14.38	14.35	13.81
WHOLESALE TRADE	390.56	391.78	377.62	38.9	39.1	39.5	10.04	10.02	9.56
Wholesale trade-durable goods	384.54	385.34	373.51	39.0	39.2	39.4	9.86	9.83	9.48
Wholesale trade-nondurable goods	399.90	403.26	384.12	38.6	39.0	39.6	10.36	10.34	9.70
RETAIL TRADE[h]	168.48	169.94	164.37	29.2	29.3	29.3	5.77	5.80	5.61
General merchandise stores	178.56	182.65	185.40	28.8	28.9	30.0	6.20	6.32	6.18
Department stores	183.86	187.05	191.17	29.0	29.0	30.2	6.34	6.45	6.33
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	269.27	268.94	261.64	....	....	....	.....	.....	.....
Credit agencies other than banks	277.63	274.43	253.08	....	....	....	.....	.....	.....
Insurance carriers	371.74	371.48	347.71	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	343.38	343.73	333.00	33.5	33.6	33.2	10.25	10.23	10.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; extile mill products; petroleum and coal products; leather and leather products. [g]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



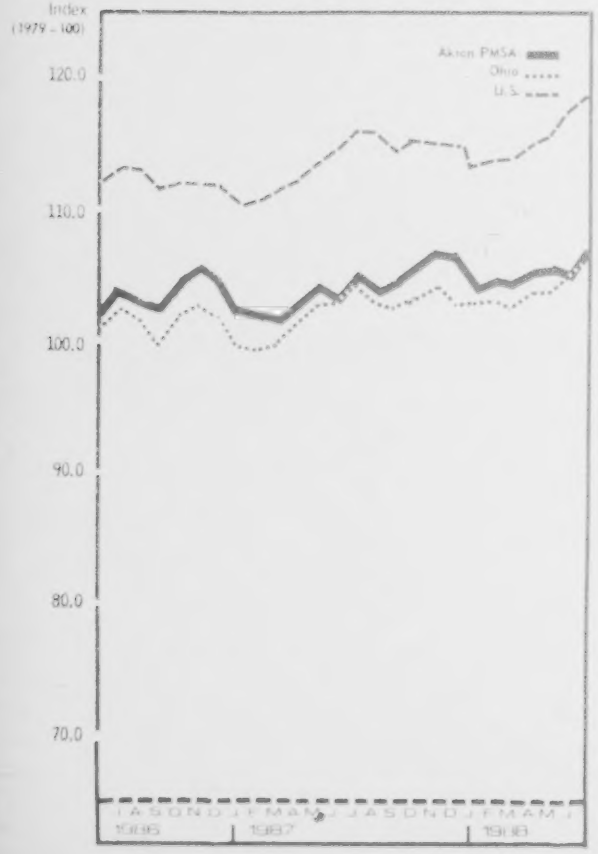
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



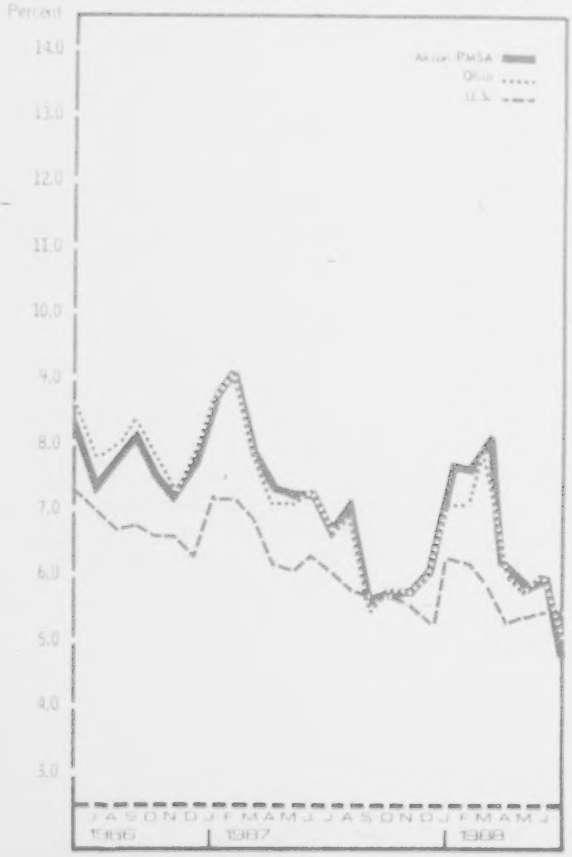
Total nonfarm wage and salary employment in the Akron metropolitan area declined 1,000 from July, to 268,700 in August 1988. Nonmanufacturing employment declined 400 over the month as seasonal layoffs of nonteaching personnel in local schools overshadowed scattered increases. The manufacturing workforce was down 600 due primarily to a temporary shutdown in fabricated metal products. Production worker average hourly earnings, at $11.46 per hour, were unchanged from July. Their average workweek was .2 hours shorter, at 42.9 hours.

Nonagricultural payroll employment advanced 6,400 between August 1987 and August 1988. Expansion in nonmanufacturing industries contributed 93.8 percent of the gain. Primary growth sectors were services and retail trade. Moderate improvements were noted in construction and wholesale trade. Manufacturing employment increased 400, to 66,500. Gains in nonelectrical machinery and rubber and miscellaneous plastics products more than offset a reduction in fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



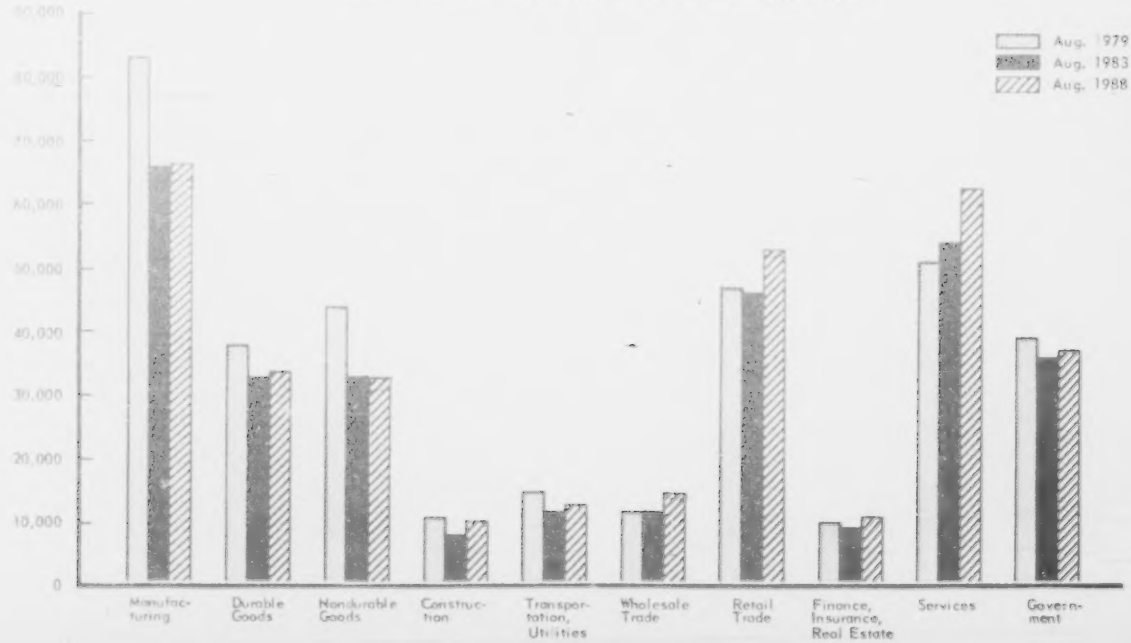
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
321.9	300.3	21.6	6.7	July	262.1	66.0	35.7	469.42	42.1	11.15
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.8	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	506.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
320.8	305.5	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
INA	INA	INA	INA	August	268.7	66.5	36.3	491.63	42.9	11.46

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	268.7	269.7	262.3	-1.0	6.4
MANUFACTURING	66.5	67.1	66.1	-.6	.4
Durable Goods[e]	33.6	34.6	33.6	-1.0	.0
Fabricated metal products	10.6	11.5	11.2	-.9	-.6
Machinery, except electrical	9.9	9.9	9.3	.0	.6
Metalworking machinery	3.6	3.5	3.3	.0	.3
Nondurable Goods[f]	32.9	32.5	32.5	.4	.4
Food and kindred products	3.1	3.1	3.1	.0	.0
Chemicals and allied products	2.9	2.9	3.1	.0	-.2
Rubber and misc. plastics products	21.1	20.9	20.7	.2	.4
Tires and inner tubes	12.7	12.7	13.0	.0	-.2
NONMANUFACTURING[g]	202.3	202.6	196.2	-.4	6.0
CONSTRUCTION	10.6	10.5	9.8	.1	.8
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	13.1	.0	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.5	14.5	14.0	.0	.5
RETAIL TRADE	52.8	52.6	51.5	.1	1.3
General merchandise stores	6.1	6.2	6.2	.0	-.1
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.0	10.7	.0	.3
Banking	3.2	3.3	3.1	.0	.1
SERVICES	62.6	62.4	59.7	.1	2.9
Business services	12.1	11.9	11.4	.1	.6
Amusement and recreation services	4.9	4.9	4.7	.0	.2
Health services	20.5	20.4	19.5	.1	.9
GOVERNMENT	37.2	37.9	37.0	-.7	.2
State government	11.0	11.2	10.4	-.2	.7
State government education[i]	7.9	8.0	7.2	-.1	.7
State government, except education	3.1	3.1	3.2	.0	-.0
Local government	23.8	24.4	24.3	-.6	-.5
Local government education	12.5	12.9	12.3	-.4	.1
Local government, except education	11.3	11.5	11.9	-.2	-.6

Hours & Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

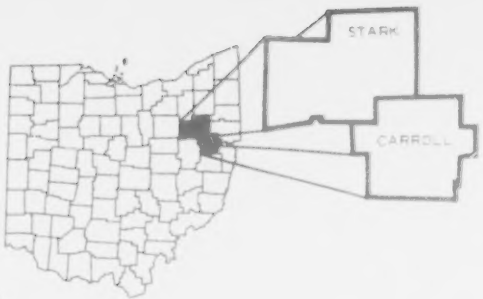
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$491.63	$493.93	$482.36	42.9	43.1	43.3	$11.46	$11.46	$11.14
Durable Goods[e]	492.05	496.72	494.86	42.2	42.6	43.6	11.66	11.66	11.35
Fabricated metal products	610.14	589.36	598.45	42.4	42.4	45.2	14.39	13.90	13.24
Machinery, except electrical	448.66	471.05	448.50	43.9	45.6	44.1	10.22	10.33	10.17
Metalworking machinery	456.32	500.81	450.24	43.5	46.5	44.8	10.49	10.77	10.05
Nondurable Goods[f]	493.24	489.68	464.61	44.0	43.8	42.9	11.21	11.18	10.83
Food and kindred products	455.38	459.36	469.48	42.4	43.5	44.0	10.74	10.56	10.67
Chemicals and allied products	526.24	508.08	467.64	44.0	43.5	40.7	11.96	11.68	11.49
Rubber and misc. plastics products	513.69	510.27	491.95	45.1	44.8	44.4	11.39	11.39	11.08
Tires and inner tubes	824.16	824.24	742.46	51.0	51.1	48.4	16.16	16.13	15.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.98	576.22	574.48	41.3	41.1	41.3	14.14	14.02	13.91
WHOLESALE TRADE	356.80	352.12	335.02	37.4	37.7	37.6	9.54	9.34	8.91
RETAIL TRADE[h]	201.53	200.23	201.58	32.4	32.4	33.1	6.22	6.18	6.09

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,170	2,245	2,392
Active File of Job Seekers	16,667	17,305	18,259
Referrals to Jobs	1,535	1,972	2,014
Placements	488	533	855
Job Openings Received	712	1,379	762
Job Openings Unfilled	2,439	2,494	2,367
Unemployment Insurance Program			
Initial Claims	2,261	2,822	2,651
Continued Claims	19,526	19,341	23,903
First Payments	1,179	878	1,312
Last Payments	299	314	403
Weeks Compensated	15,431	13,327	19,436
Benefits Paid	$2,292,632	$1,923,566	$2,889,382
Average Weekly Payment	$152.31	$147.96	$152.48

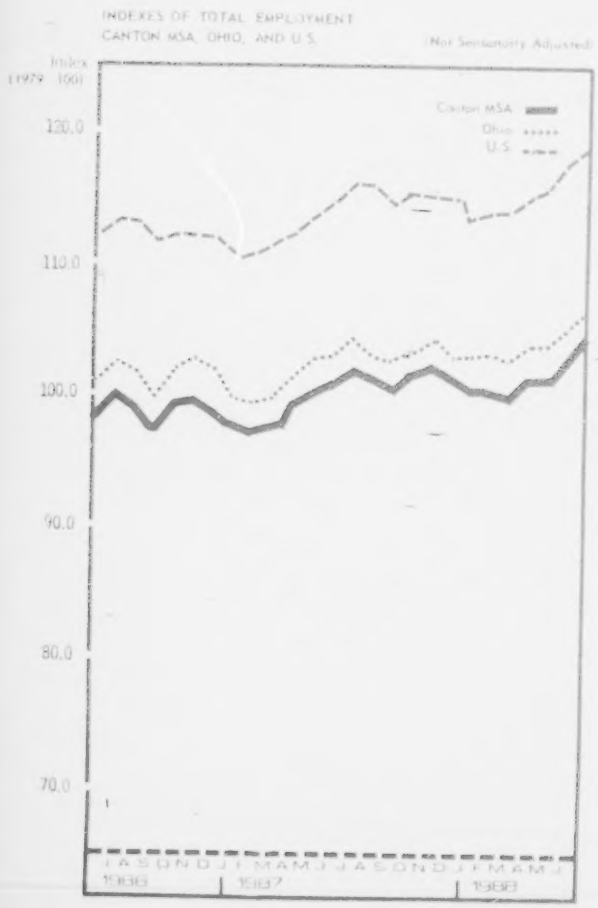
CANTON
METROPOLITAN STATISTICAL AREA

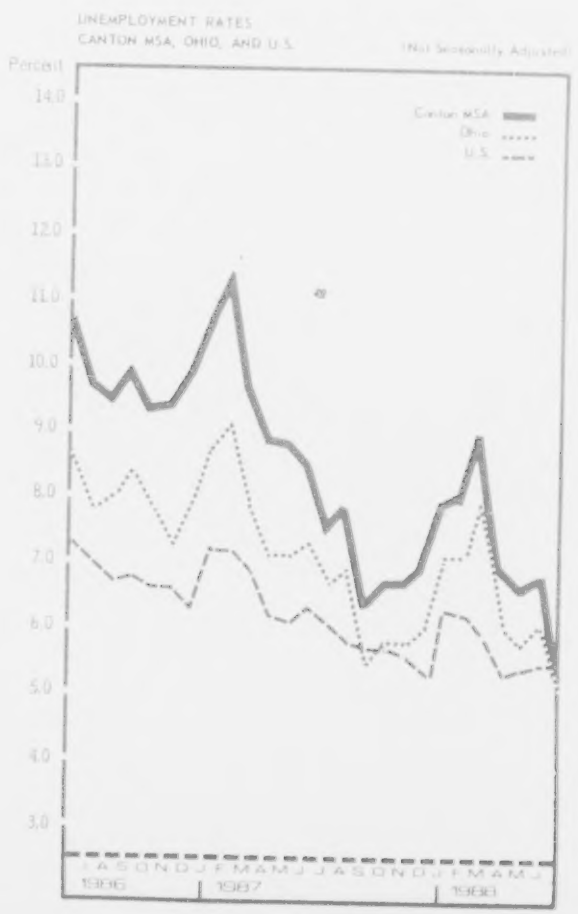


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, nonagricultural payroll employment totaled 161,100 in August, down 200 from July 1988. Reductions in primary metal industries dropped manufacturing employment 300, to 43,700. Nonmanufacturing employment increased 100 over the month as gains in retail trade offset seasonal losses in nonteaching personnel in local schools. Factory production workers averaged $11.33 per hour, up $.08 from July. Their average workweek, 42.3 hours, was unchanged.

Between August 1987 and August 1988, total nonfarm wage and salary employment rose 4,100. The improvement was concentrated in the nonmanufacturing sector, especially in services and construction. Manufacturing employment gained 200 over the year. Growth in primary metal industries and nondurable goods overshadowed a modest decline in fabricated metal products.



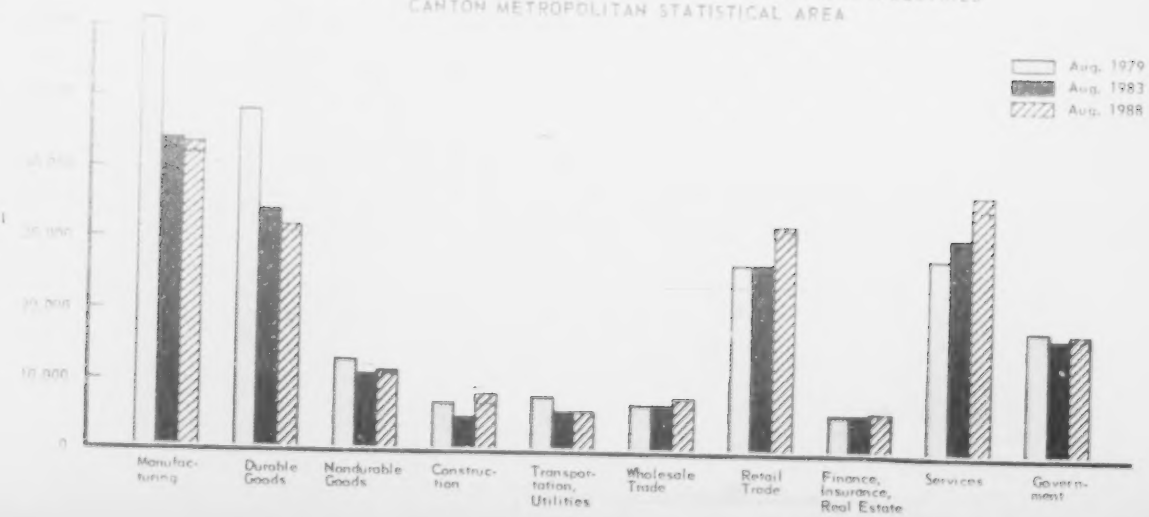


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
191.1	176.9	14.2	7.4	July	155.7	42.9	30.2	470.50	41.6	11.31
190.8	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
190.5	176.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
188.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
189.2	171.8	12.4	6.6	May	160.2	43.4	30.8	492.85	43.2	11.39
189.3	176.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
190.1	180.0	10.2	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
NA	NA	NA	NA	August	161.1	43.7	31.1	479.26	42.3	11.33

NA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	161.1	161.3	157.1	-.2	4.1
MANUFACTURING	43.7	44.0	43.5	-.3	.2
Durable Goods[e]	31.9	32.3	32.0	-.3	-.0
Primary metal industries	10.6	10.9	10.4	-.3	.2
Fabricated metal products	6.4	6.3	6.6	.0	-.2
Metal forgings and stampings	2.1	2.0	2.2	.1	-.1
Nondurable Goods[f]	11.7	11.7	11.5	.0	.3
Food and kindred products	3.4	3.4	3.5	.0	-.1
Rubber and misc. plastics products	2.9	2.9	2.9	.0	-.1
NONMANUFACTURING[g]	117.4	117.3	113.6	.1	3.8
CONSTRUCTION	8.3	8.3	7.0	.0	1.3
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.2	5.8	.0	.4
Communication, electric, gas services	2.8	2.8	2.6	.0	.2
WHOLESALE TRADE	8.2	8.2	8.2	.1	.0
Wholesale trade-durable goods	4.6	4.5	4.6	.1	.0
RETAIL TRADE	32.4	32.0	31.6	.3	.8
General merchandise stores	3.9	4.0	3.8	.0	.1
Food stores	5.3	5.2	5.1	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.6	.0	-.1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.1	37.0	35.7	.1	1.4
Health services	15.5	15.4	15.1	.0	.4
GOVERNMENT	17.7	18.0	17.7	-.3	.0
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	14.5	14.8	14.5	-.3	.0
Local government education	7.8	8.0	8.1	-.2	-.4
Local government, except education	6.7	6.8	6.4	-.1	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

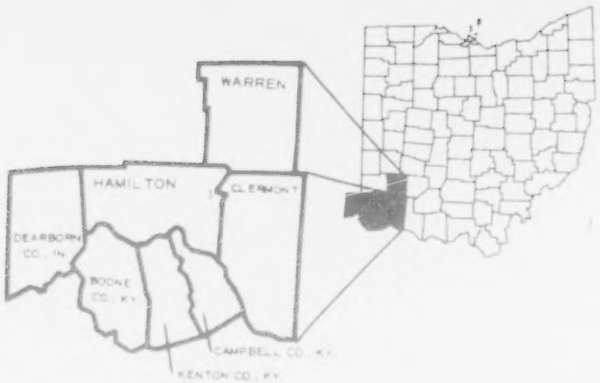
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$479.26	$475.88	$460.73	42.3	42.3	41.1	$11.33	$11.25	$11.21
Durable Goods[e]	500.87	499.79	480.90	42.7	42.9	41.6	11.73	11.65	11.56
Primary metal industries	580.05	593.03	560.73	45.0	45.9	43.4	12.89	12.92	12.92
Fabricated metal products	438.21	439.42	439.39	40.5	40.8	39.8	10.82	10.77	11.04
Metal forgings and stampings	561.33	565.56	594.91	40.5	40.6	41.0	13.86	13.93	14.51
Nondurable Goods[f]	411.05	402.98	401.58	40.9	40.5	39.8	10.05	9.95	10.09
Food and kindred products	418.26	399.29	415.44	38.8	38.1	40.1	10.78	10.48	10.36
Rubber and misc. plastics products	416.53	407.13	430.95	41.2	41.0	41.2	10.11	9.93	10.46
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	577.21	558.55	555.67	41.2	40.8	41.1	14.01	13.69	13.52
WHOLESALE TRADE	381.26	384.00	374.12	37.6	37.5	37.6	10.14	10.24	9.95
RETAIL TRADE[h]	160.86	165.13	152.64	29.3	29.7	28.8	5.49	5.56	5.30

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,182	1,956	1,326
Active File of Job Seekers	13,221	12,656	11,981
Referrals to Jobs	1,711	1,958	832
Placements	385	273	247
Job Openings Received	1,254	1,191	531
Job Openings Unfilled	2,627	2,135	788
Unemployment Insurance Program			
Initial Claims	1,717	1,651	1,616
Continued Claims	12,614	11,107	14,981
First Payments	740	554	831
Last Payments	209	217	281
Weeks Compensated	9,501	8,304	11,483
Benefits Paid	$1,301,311	$1,121,256	$1,591,959
Average Weekly Payment	$141.37	$139.58	$142.22

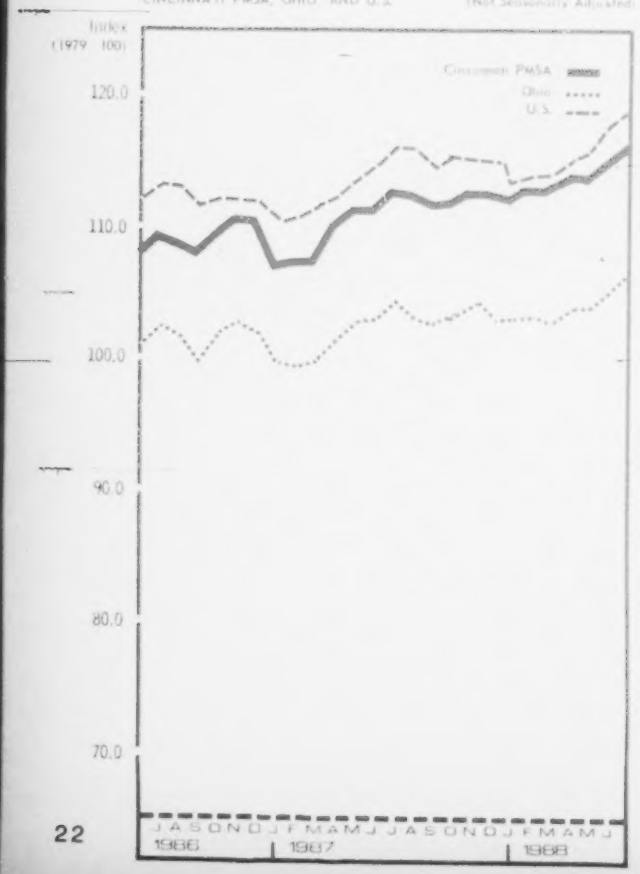
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



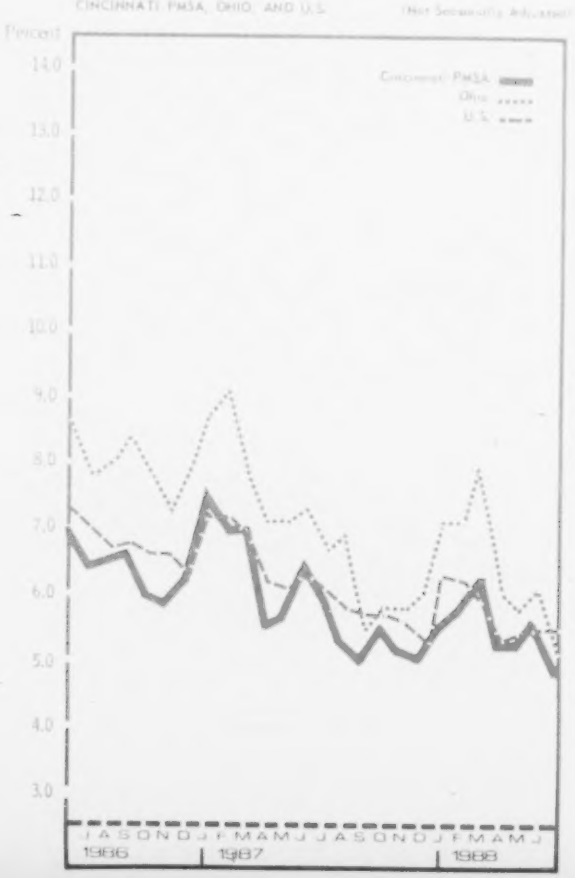
Nonagricultural wage and salary employment in the Cincinnati metropolitan area increased 3,300 from July, to 703,700 in August 1988. Nonmanufacturing employment rose 2,300 due to gains in retail trade, services, and construction. Seasonal growth in food and kindred products and more business in nonelectrical machinery contributed to the increase of 1,100 jobs in manufacturing employment. Production worker average hourly earnings, $11.25 per hour, increased $.15 from July. Their average workweek was .8 hours longer, at 42.4 hours.

Total nonfarm payroll employment advanced 17,600 between August 1987 and August 1988. A major portion of the improvement occurred in services (+8,600), retail trade (+4,600), and construction (+3,000). Manufacturing employment declined 3,900 over the year, to 144,800. Reductions in transportation equipment, especially motor vehicles and equipment, negated gains in food and kindred products and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

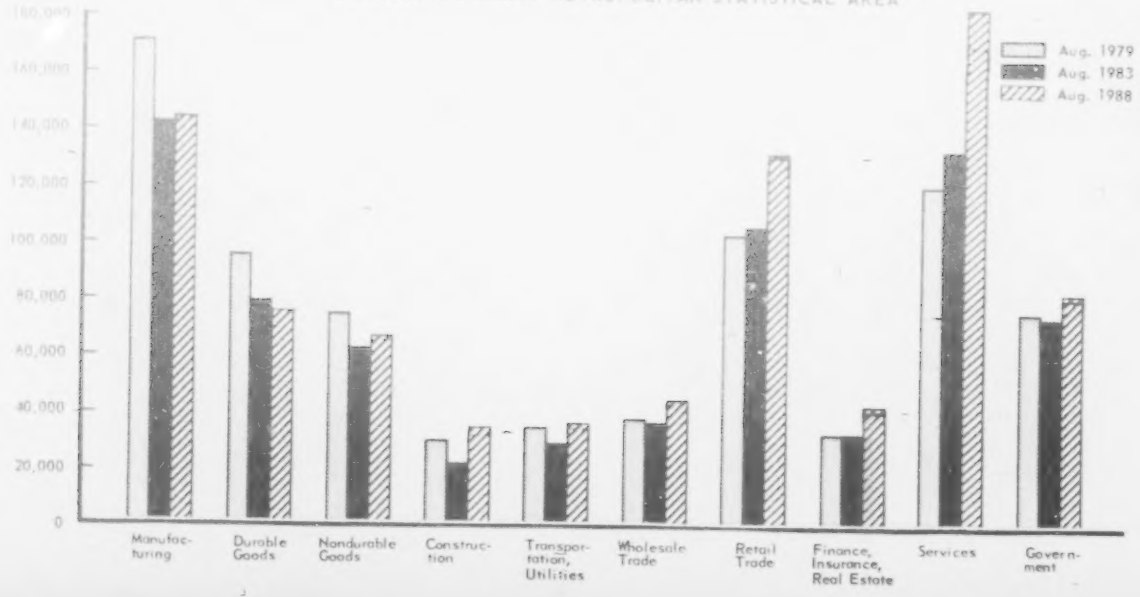


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.9	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
756.6	712.2	44.6	5.9	July	679.4	144.9	91.9	451.73	42.1	10.73
749.6	710.3	39.3	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.4	728.4	37.0	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
INA	INA	INA	INA	August	703.7	144.8	92.4	477.00	42.4	11.25

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	703.7	700.3	686.1	3.3	17.6
MANUFACTURING	144.8	143.7	148.7	1.1	- 3.9
Durable Goods[e]	77.2	76.7	81.8	.5	- 4.6
Fabricated metal products	9.9	9.8	10.3	.1	- .4
Fabricated structural metal products	3.8	3.7	4.1	.1	- .3
Machinery, except electrical	20.5	20.3	20.7	.2	- .1
Metalworking machinery	8.0	8.0	8.3	.0	- .3
General industrial machinery	3.0	3.0	2.9	.1	.2
Electric and electronic equipment	7.7	7.7	7.6	.0	.2
Transportation equipment	24.4	24.4	29.5	.1	- 5.0
Motor Vehicles and equipment	4.9	4.8	8.8	.1	- 3.9
Nondurable Goods[f]	67.6	67.0	66.9	.6	.7
Food and kindred products	13.9	13.5	13.2	.4	.7
Beverages	3.7	3.7	3.6	.0	.1
Apparel and other textile products	3.7	3.8	3.8	- .1	- .1
Paper and allied products	5.9	5.8	6.1	.1	- .2
Printing and publishing	13.1	13.0	13.3	.1	.2
Commercial printing	5.6	5.6	5.9	.0	- .2
Chemicals and allied products	22.9	22.8	22.5	.1	.4
Rubber and misc. plastics products	5.7	5.7	5.8	.0	- .1
NONMANUFACTURING[g]	558.9	556.6	537.3	2.3	21.5
CONSTRUCTION	35.2	34.4	32.2	.8	3.0
TRANSPORTATION AND PUBLIC UTILITIES	36.9	36.8	35.7	.1	1.2
Trucking and warehousing	10.7	10.6	10.2	.1	.6
Communication, electric, gas services	15.2	15.2	15.1	.0	.1
WHOLESALE TRADE	45.8	45.9	44.4	- .0	1.4
Wholesale trade-durable goods	27.4	27.3	26.1	.1	1.3
RETAIL TRADE	132.1	131.2	127.5	.9	4.6
General merchandise stores	17.7	17.4	17.7	.3	.0
FINANCE, INSURANCE, AND REAL ESTATE	42.8	42.6	41.0	.1	1.8
Banking	9.4	9.4	8.8	.0	.6
Insurance carriers	14.3	14.3	13.8	.0	.5
SERVICES	183.0	182.3	174.5	.8	8.6
Hotels and other lodging places	7.4	7.3	6.9	.1	.5
Personal services	8.9	8.7	8.4	.1	.5
Business services	44.9	44.3	41.4	.5	3.4
Amusement and recreation services	11.3	11.2	11.0	.1	.3
Health services	55.2	55.2	53.4	.1	1.9
Hospitals	26.1	26.1	25.4	.0	.6
GOVERNMENT	82.5	82.9	81.7	- .4	.8
Federal government	15.1	15.0	14.5	.1	.6
State government	18.1	18.0	18.4	.1	- .3
State government education[i]	10.2	10.1	10.4	.1	- .1
State government, except education	7.9	7.9	8.1	- .1	- .2
Local government	49.3	49.9	48.8	- .6	.5
Local government education	25.6	26.0	25.8	- .4	- .2
Local government, except education	23.7	23.9	23.0	- .2	.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$477.00	$461.76	$472.69	42.4	41.6	42.7	$11.25	$11.10	$11.07
Durable Goods[e]	468.78	449.19	476.19	42.5	41.4	42.9	11.03	10.85	11.10
Fabricated metal products	426.97	420.73	424.76	42.4	42.2	43.7	10.07	9.97	9.72
Fabricated structural metal products	483.67	478.67	437.40	45.5	45.2	45.0	10.63	10.59	9.72
Machinery, except electrical	424.79	429.09	414.81	42.1	42.4	41.9	10.09	10.12	9.90
Metalworking machinery	491.06	489.95	461.55	44.4	44.1	42.5	11.06	11.11	10.86
General industrial machinery	388.63	422.67	398.90	41.3	43.8	42.8	9.41	9.65	9.32
Electric and electronic equipment	341.35	329.26	351.20	39.6	38.6	40.0	8.62	8.53	8.78
Transportation equipment	703.43	635.20	673.80	45.5	41.9	44.3	15.46	15.16	15.21
Motor vehicles and equipment	845.96	626.86	689.60	49.5	38.2	43.1	17.09	16.41	16.00
Nondurable Goods[f]	485.90	472.46	469.20	42.4	41.7	42.5	11.46	11.33	11.04
Food and kindred products	529.54	534.26	529.02	43.8	43.9	45.1	12.09	12.17	11.73
Beverages	521.66	525.85	538.82	41.6	41.9	42.9	12.54	12.55	12.56
Apparel and other textile products	216.45	209.15	215.84	37.0	36.5	38.0	5.85	5.73	5.68
Paper and allied products	444.72	422.42	432.58	43.6	41.7	43.0	10.20	10.13	10.06
Printing and publishing	465.61	456.52	470.09	40.7	40.4	41.2	11.44	11.30	11.41
Commercial printing	514.21	492.75	517.09	44.1	43.3	44.5	11.66	11.38	11.62
Chemicals and allied products	578.88	553.92	530.04	43.2	41.9	42.0	13.40	13.22	12.62
Rubber and misc. plastics products	400.90	385.73	414.70	43.2	41.7	44.4	9.28	9.25	9.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	576.70	568.41	543.10	41.4	41.1	40.2	13.93	13.83	13.51
WHOLESALE TRADE	407.62	406.42	389.91	40.6	40.4	41.0	10.04	10.06	9.51
RETAIL TRADE[h]	169.02	168.70	167.01	29.6	29.7	30.2	5.71	5.68	5.53
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	263.31	265.67	256.92	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes public universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. Data withheld due to labor/management disputes.

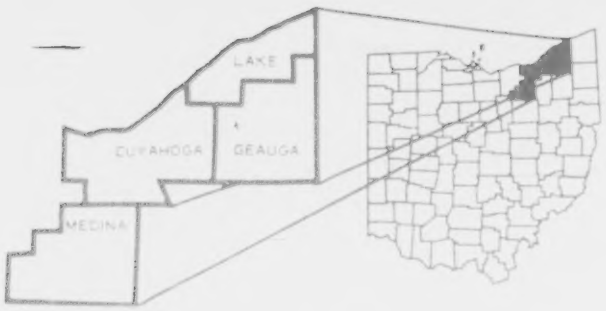
Selected Administrative Program Activities[a]

	August 1988	July 1988	August 1987
Employment Service Programs			
New Applicants	3,216	2,624	2,802
Active File of Job Seekers	21,714	21,162	17,022
Referrals to Jobs	2,236	1,647	2,265
Placements	333	271	603
Job Openings Received	1,655	1,474	1,884
Job Openings Unfilled	2,857	2,201	3,434
Unemployment Insurance Programs			
Initial Claims	3,492	3,197	4,113
Continued Claims	35,651	36,602	29,639
First Payments	1,886	1,708	1,361
Last Payments	723	705	648
Weeks Compensated	26,963	27,886	23,463
Benefits Paid	$4,004,749	$4,232,611	$3,217,682
Average Weekly Payment	$150.47	$153.70	$139.84

[a]Ohio data only

CLEVELAND —

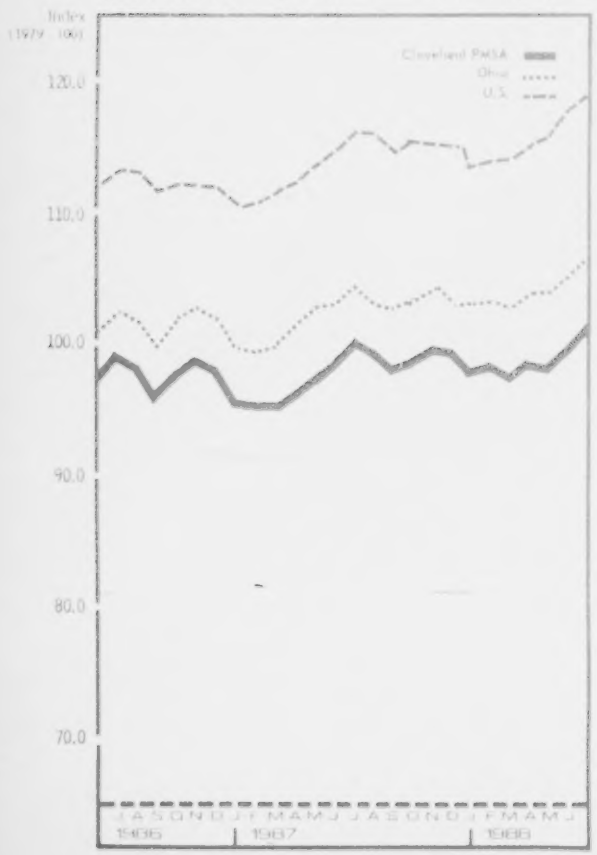
PRIMARY METROPOLITAN STATISTICAL AREA



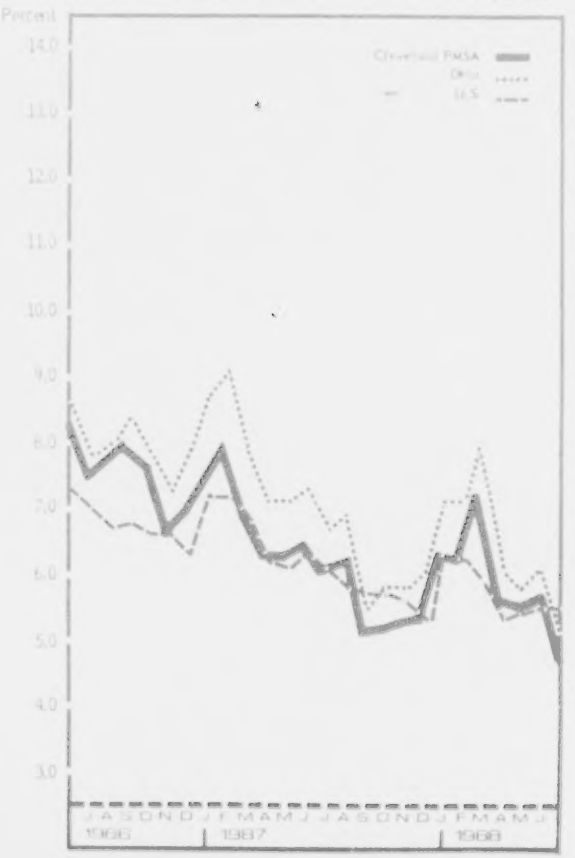
Nonagricultural payroll employment in the Cleveland metropolitan area totaled 918,100 in August 1988, down 600 from July. Nonmanufacturing employment declined 1,100. Seasonal layoffs in nonteaching personnel in state and local schools and colleges negated scattered gains. Manufacturing employment increased 400 due to the settlement of a labor-management dispute in electric and electronic equipment and modest gains in transportation equipment and rubber and miscellaneous plastics products. Factory production workers averaged $11.80 per hour, up $.11 from last month. They worked .2 hours longer for an average workweek of 42.9 hours.

Between August 1987 and August 1988, total nonfarm wage and salary employment advanced 19,000. Primary growth sectors were services (+8,600), retail trade (+5,700), and finance, insurance, and real estate (+2,200). Manufacturing employment increased 2,600 over the year. Moderate expansion occurred in nonelectrical machinery, electric and electronic equipment, and transportation equipment, especially motor vehicles and equipment.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



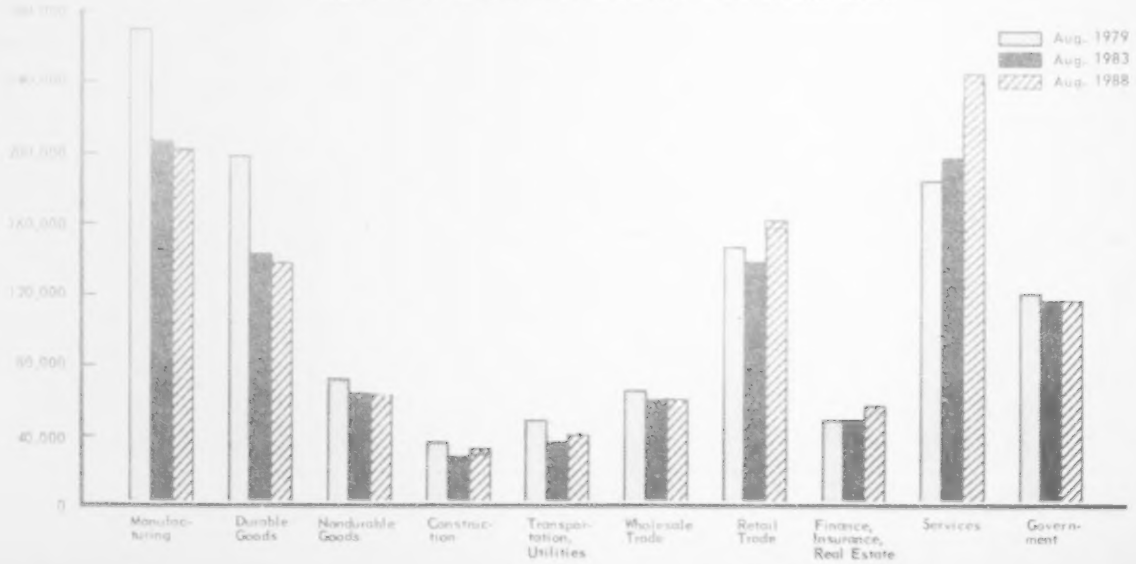
CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.3	868.5	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
949.3	892.7	56.7	6.0	July*	900.7	199.7	126.9	476.52	41.8	11.40
938.8	879.5	59.3	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
913.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	503.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
937.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
938.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
938.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
949.3	904.5	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
NA	NA	NA	NA	August	918.1	202.8	129.8	506.22	42.9	11.80

NA = Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	918.1	918.7	899.1	-.6	19.0
MANUFACTURING	202.8	202.4	200.3	.4	2.6
Durable Goods[e]	137.7	137.3	135.2	.4	2.5
Primary metal industries	20.7	20.8	20.8	-.1	-.1
Iron and steel foundries	4.9	5.1	5.0	-.3	-.1
Fabricated metal products	32.7	32.9	32.5	-.2	.2
Fabricated structural metal products	4.2	4.2	4.2	.0	.1
Screw machine products, bolts, etc.	4.8	4.7	4.8	.0	.0
Metal forgings and stampings	11.3	11.4	11.3	-.2	.0
Machinery, except electrical	29.6	29.7	28.8	-.1	.9
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.8	9.8	9.6	.0	.2
Special industry machinery	2.8	2.7	2.8	.0	.0
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	18.3	17.7[f]	17.4	.5	.9
Electrical industrial apparatus	6.5	5.8	5.9	.6	.5
Transportation equipment	19.0	18.8	18.5	.2	.5
Motor vehicles and equipment	12.0	11.8	11.2	.2	.8
Instruments and related products	6.4	6.3	6.6	.1	-.1
Measuring and controlling devices	4.1	4.0	4.3	.0	-.2
Nondurable Goods[f]	65.1	65.1	65.0	.0	.1
Food and kindred products[g]	6.3	6.5	6.9	-.2	-.6
Apparel and other textile products	4.0	4.0	3.9	-.1	.1
Paper and allied products	5.7	5.6	5.5	.1	.2
Printing and publishing	16.3	16.2	16.5	.1	-.2
Chemicals and allied products	15.6	15.6	15.0	.0	.4
Rubber and misc. plastics products	12.4	12.2	12.3	.2	.2
NONMANUFACTURING[g]	715.3	716.4	698.8	-1.1	16.5
CONSTRUCTION	32.1	31.9	31.2	.2	.9
TRANSPORTATION AND PUBLIC UTILITIES	41.4	41.3	41.5	.2	-.1
Trucking and warehousing	12.4	12.3	12.1	.1	.4
Communication, electric, gas services	17.7	17.6	17.9	.1	-.2
WHOLESALE TRADE	61.5	61.4	60.6	.1	.8
Wholesale trade-durable goods	42.1	42.0	41.9	.1	.1
RETAIL TRADE	161.3	161.2	155.6	.0	5.7
General merchandise stores	20.7	20.8	20.1	-.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	57.6	57.4	55.4	.2	2.2
Banking	13.8	13.7	13.7	.1	.1
Credit agencies other than banks	8.9	8.9	8.8	.0	.2
Insurance carriers	14.4	14.3	13.8	.0	.5
SERVICES	244.4	244.3	235.8	.1	8.6
Business services	57.2	56.8	54.1	.4	3.1
Amusement and recreation services	10.1	10.2	10.4	-.1	-.4
Health services	76.9	76.9	75.6	.0	1.4
Hospitals	42.8	42.8	43.0	.1	-.2
GOVERNMENT	116.0	117.9	117.7	-2.0	-1.7
Federal government	20.7	20.7	20.3	.0	.3
State government	7.9	8.3	7.9	-.3	.1
State government education[f]	2.5	2.9	2.4	-.4	.1
State government, except education	5.4	5.4	5.4	.0	.0
Local government	87.4	89.0	89.5	-1.6	-2.1
Local government education	40.3	41.8	41.2	-1.5	-.9
Local government, except education	47.1	47.2	48.4	-.2	-1.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

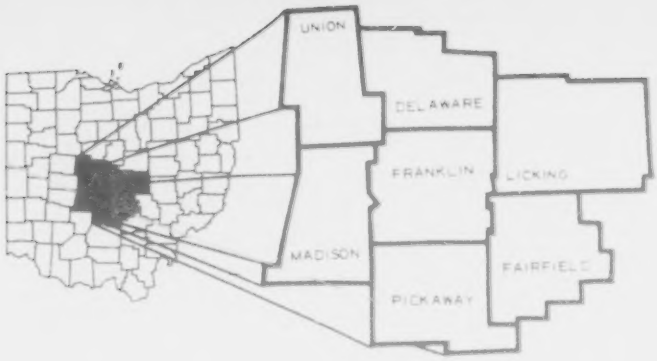
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$506.22	$499.16	$486.75	42.9	42.7	42.4	$11.80	$11.69	$11.48
Durable Goods[e]	545.60	532.88	517.72	44.0	43.5	43.0	12.40	12.25	12.04
Primary metal industries	585.82	566.25	594.23	46.2	45.3	45.5	12.68	12.50	13.06
Iron and steel foundries	887.04	732.59	848.06	50.4	43.4	50.3	17.60	16.88	16.86
Fabricated metal products	538.59	528.04	509.32	43.4	43.0	42.8	12.41	12.28	11.90
Fabricated structural metal products	384.91	393.16	396.90	39.6	40.2	40.5	9.72	9.78	9.80
Screw machine products, bolts, etc.	532.96	517.63	465.70	44.9	44.7	44.1	11.87	11.58	10.56
Metal forgings and stampings	691.84	672.44	627.54	46.0	45.1	44.1	15.04	14.91	14.23
Machinery, except electrical	488.68	496.17	471.33	42.2	42.7	41.6	11.58	11.62	11.33
Construction and related machinery	394.80	402.16	401.84	43.1	44.0	44.5	9.16	9.14	9.03
Metalworking machinery	456.77	457.38	422.06	41.6	42.0	40.7	10.98	10.89	10.37
Special industry machinery	468.13	450.30	455.34	41.1	39.5	37.6	11.39	11.40	12.11
General industrial machinery	476.87	505.57	472.34	43.0	44.9	41.8	11.09	11.26	11.30
Electric and electronic equipment	455.36	454.27	446.29	41.7	41.6	41.4	10.92	10.92	10.78
Electrical industrial apparatus	525.55	534.02	516.29	44.5	44.8	44.7	11.81	11.92	11.55
Transportation equipment	755.57	718.11	680.35	47.7	46.3	45.6	15.84	15.51	14.92
Motor vehicles and equipment	847.38	791.27	730.51	48.7	46.3	45.6	17.40	17.09	16.02
Instruments and related products	416.91	423.16	389.64	41.9	42.7	40.8	9.95	9.91	9.55
Measuring and controlling devices	454.90	466.47	391.64	43.2	43.8	39.6	10.53	10.65	9.89
Nondurable Goods[f]	415.13	417.18	414.92	40.5	40.7	41.0	10.25	10.25	10.12
Food and kindred products	399.74	415.49	381.84	40.5	41.8	43.0	9.87	9.94	8.88
Apparel and other textile products	319.22	330.83	309.08	38.6	40.1	38.3	8.27	8.25	8.07
Paper and allied products	465.34	465.92	466.35	41.4	41.6	41.9	11.24	11.20	11.13
Printing and publishing	374.88	378.79	424.71	35.5	35.5	39.0	10.56	10.67	10.89
Chemicals and allied products	512.12	503.84	498.80	43.4	43.1	43.0	11.80	11.69	11.60
Rubber and misc. plastics products	395.92	384.34	377.04	43.7	42.8	41.8	9.06	8.98	9.02
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	610.91	591.02	593.98	41.7	41.1	41.8	14.65	14.38	14.21
WHOLESALE TRADE	416.57	420.62	394.97	38.5	39.2	39.3	10.82	10.73	10.05
RETAIL TRADE[g]	188.39	191.43	189.80	28.5	28.7	29.2	6.61	6.67	6.50
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	301.66	308.19	300.02	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	344.43	344.86	346.36	32.1	32.2	32.4	10.73	10.71	10.69

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	4,908	4,484	6,740
Active File of Job Seekers	55,837	56,512	61,485
Referrals to Jobs	2,804	2,344	2,923
Placements	902	926	1,080
Job Openings Received	1,890	1,682	2,222
Job Openings Unfilled	4,549	4,256	2,929
Unemployment Insurance Program			
Initial Claims	5,055	6,557	6,554
Continued Claims	51,630	50,211	54,311
First Payments	3,195	2,659	3,460
Last Payments	943	1,186	1,101
Weeks Compensated	40,639	40,385	46,382
Benefits Paid	$6,053,107	$6,056,452	$6,575,266
Average Weekly Payment	$151.57	$152.76	$144.00

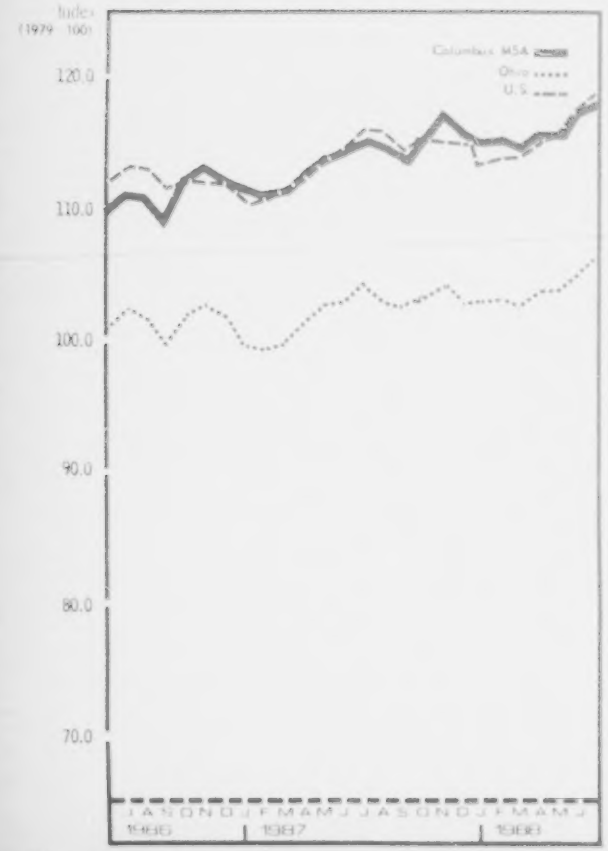
COLUMBUS METROPOLITAN STATISTICAL AREA



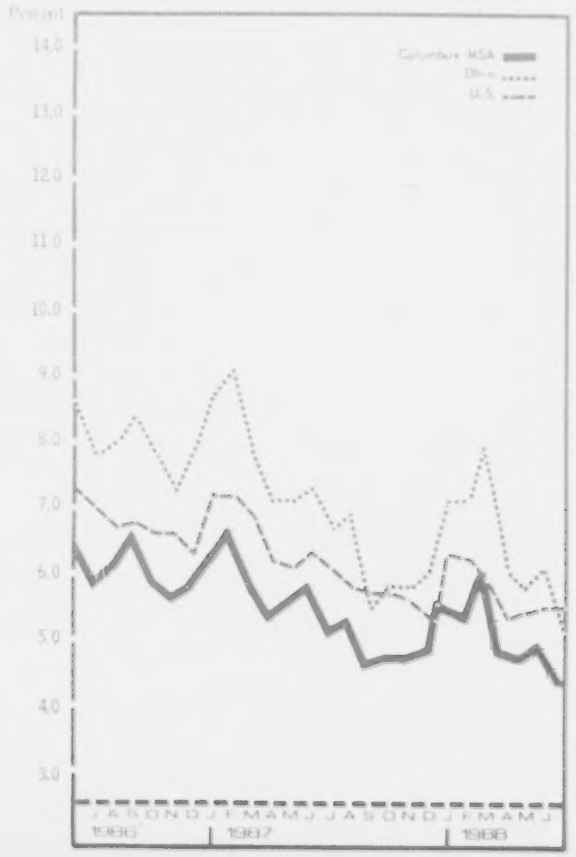
In the Columbus metropolitan area, total nonfarm payroll employment increased 4,200 from July, to 682,500 in August 1988. The improvement was concentrated in the nonmanufacturing sector. Noteworthy gains occurred in retail trade and construction. Manufacturing employment rose 500 due to scattered growth in durable-goods industries, especially transportation equipment. Factory production workers averaged $11.55 per hour, up slightly from July. Their average workweek, 40.8 hours, was .4 hours shorter.

Nonagricultural wage and salary employment advanced 25,100 between August 1987 and August 1988. The nonmanufacturing sector netted 98.4 percent of the gain. A major portion of the growth occurred in services (+8,700), retail trade (+6,300), and construction (+2,700). Manufacturing employment increased 500, to 103,400. Scattered growth in nondurable goods outweighed reductions in transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

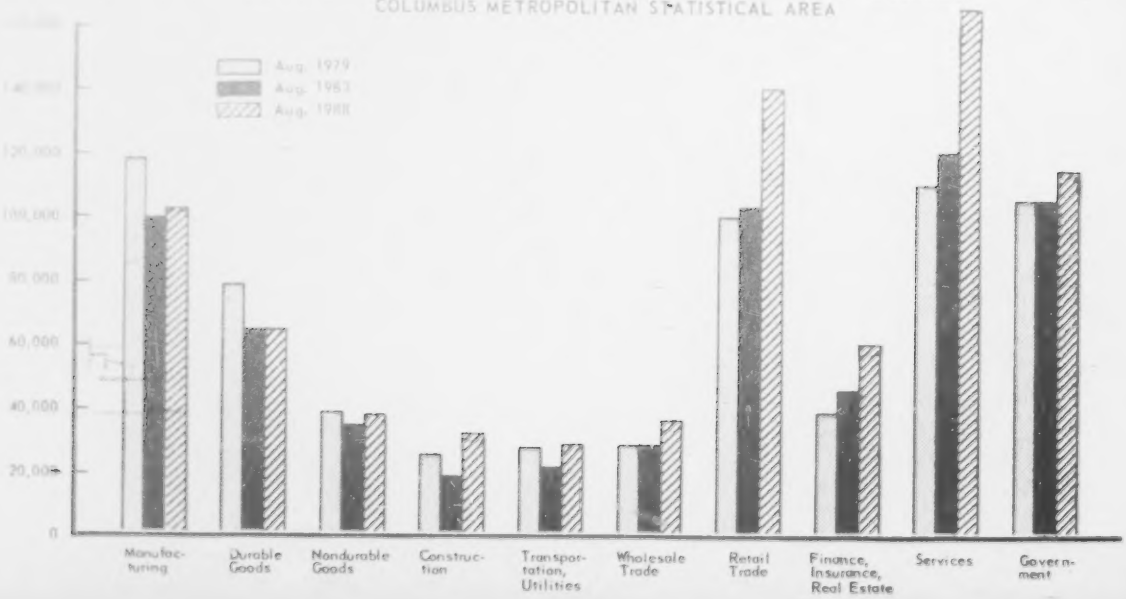


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
700.4	664.4	36.0	5.1	July	652.9	102.5	67.6	474.12	41.3	11.48
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
712.6	682.1	30.5	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
INA	INA	INA	INA	August	682.5	103.4	67.4	471.24	40.8	11.55

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	682.5	678.4	657.4	4.2	25.1
MANUFACTURING	103.4	102.9	102.9	.5	.5
Durable Goods[e]	65.0	64.5	65.5	.6	- .5
Stone, clay, and glass products	9.9	9.8	10.4	.1	- .5
Glass and glassware, pressed or blown	3.6	3.5	4.0	.1	- .3
Fabricated metal products	9.4	9.4	9.2	.0	.1
Fabricated structural metal products	2.8	2.8	3.0	.0	- .2
Machinery, except electrical	9.0	9.1	9.1	- .1	- .2
Electric and electronic equipment	11.1	11.0	10.8	.1	.3
Transportation equipment	13.5	13.2	14.2	.3	- .7
Instruments and related products	4.2	4.1	4.0	.1	.2
Nondurable Goods[f]	38.4	38.4	37.4	.0	1.0
Food and kindred products	10.6	10.6	10.5	.1	.1
Printing and publishing	10.5	10.5	10.2	.0	.3
Chemicals and allied products	6.9	6.9	6.9	.0	.0
Rubber and misc. plastics products	5.6	5.7	5.1	- .1	.5
NONMANUFACTURING[g]	579.1	575.5	554.5	3.6	24.7
CONSTRUCTION	32.5	31.7	29.7	.8	2.7
TRANSPORTATION AND PUBLIC UTILITIES	28.9	28.7	28.2	.1	.7
Trucking and warehousing	12.1	12.0	11.8	.1	.3
Communication, electric, gas services	11.8	11.7	11.7	.1	.1
WHOLESALE TRADE	35.7	35.6	34.2	.2	1.5
Wholesale trade-durable goods	23.1	23.0	22.1	.2	1.0
RETAIL TRADE	140.1	138.7	133.8	1.3	6.3
General merchandise stores	22.4	22.2	21.8	.2	.6
FINANCE, INSURANCE, AND REAL ESTATE	60.2	60.0	58.0	.1	2.2
Banking	12.2	12.2	11.7	.0	.4
Insurance carriers	23.5	23.4	22.8	.1	.7
SERVICES	165.4	164.9	156.6	.4	8.7
Business services	38.6	38.3	35.5	.3	3.1
Health services	41.5	41.5	40.0	.0	1.5
Hospitals	18.3	18.4	17.8	- .1	.5
GOVERNMENT	115.4	114.8	113.1	.7	2.4
Federal government	15.0	15.0	15.8	.0	- .8
State government	50.7	50.7	49.1	.0	1.7
State government education[1]	18.5	18.7	17.9	- .1	.6
State government, except education	32.2	32.1	31.1	.1	1.1
Local government	49.7	49.0	48.2	.7	1.5
Local government education	28.6	27.7	27.3	.9	1.3
Local government, except education	21.1	21.3	21.0	- .2	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

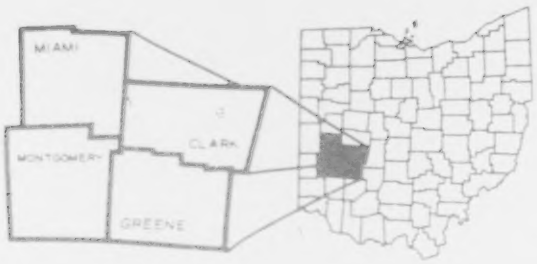
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$471.24	$475.45	$467.72	40.8	41.2	41.1	$11.55	$11.54	$11.38
Durable Goods[e]	475.02	482.93	477.99	40.6	41.1	41.1	11.70	11.75	11.63
Stone, clay, and glass products	470.00	479.95	464.04	40.0	40.4	39.9	11.75	11.88	11.63
Glass and glassware, pressed or blown.	426.31	438.37	412.42	39.4	39.6	38.4	10.82	11.07	10.74
Fabricated metal products	505.52	509.59	495.32	40.9	40.8	40.7	12.36	12.49	12.17
Fabricated structural metal products	472.14	453.46	436.30	43.0	41.0	40.7	10.98	11.06	10.72
Machinery, except electrical	448.14	470.61	437.54	42.0	42.9	41.2	10.67	10.97	10.62
Electric and electronic equipment	445.36	456.85	451.45	39.8	40.9	40.2	11.19	11.17	11.23
Transportation equipment	567.59	562.92	598.69	41.1	41.3	43.7	13.81	13.63	13.70
Instruments and related products	402.09	404.68	420.43	38.7	38.8	41.3	10.39	10.43	10.18
Nondurable Goods[f]	462.38	458.14	447.58	41.1	41.2	41.1	11.25	11.12	10.89
Food and kindred products	468.30	447.86	460.22	42.0	41.7	42.3	11.15	10.74	10.88
Printing and publishing	550.04	547.46	523.51	39.8	39.7	39.6	13.82	13.79	13.22
Chemicals and allied products	522.93	524.75	502.90	40.6	40.9	40.2	12.88	12.83	12.51
Rubber and misc. plastics products	359.35	360.32	337.43	41.4	41.8	41.2	8.68	8.62	8.19
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	614.85	593.81	576.63	42.2	41.7	41.1	14.57	14.24	14.03
WHOLESALE TRADE	346.89	349.32	354.24	37.3	37.4	38.8	9.30	9.34	9.13
RETAIL TRADE[h]	185.51	184.44	173.52	29.4	29.0	28.4	6.31	6.36	6.11
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	264.27	263.25	266.70	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	348.11	348.47	331.62	34.5	34.4	34.4	10.09	10.13	9.64

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	5,224	5,866	6,136
Active File of Job Seekers	28,669	28,916	32,376
Referrals to Jobs	3,926	2,710	2,779
Placements	1,227	614	999
Job Openings Received	2,182	1,411	2,705
Job Openings Unfilled	2,671	2,444	4,940
Unemployment Insurance Program			
Initial Claims	4,212	4,227	4,387
Continued Claims	31,363	29,153	33,036
First Payments	2,188	1,962	1,817
Last Payments	649	602	745
Weeks Compensated	24,538	23,857	28,423
Benefits Paid	$3,647,944	$3,558,339	$4,297,857
Average Weekly Payment	$151.62	$151.99	$154.32

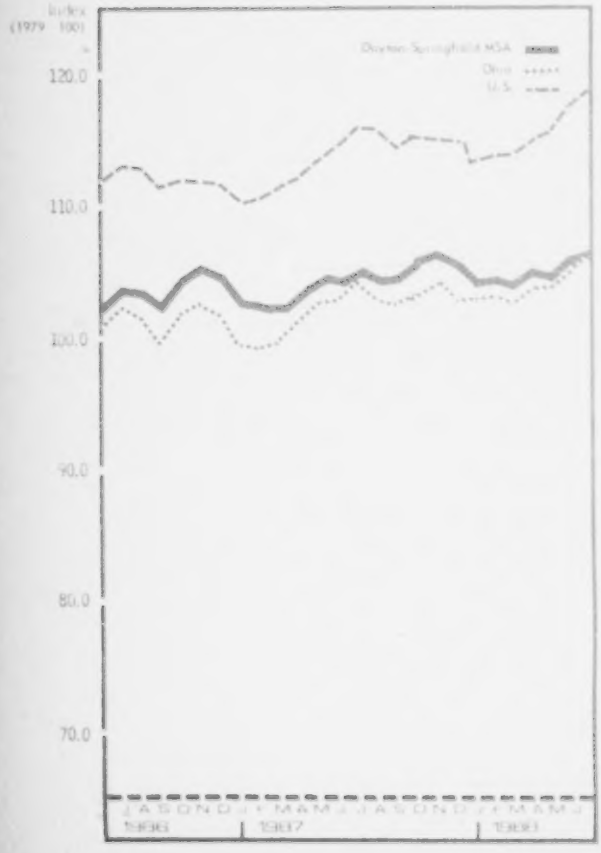
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



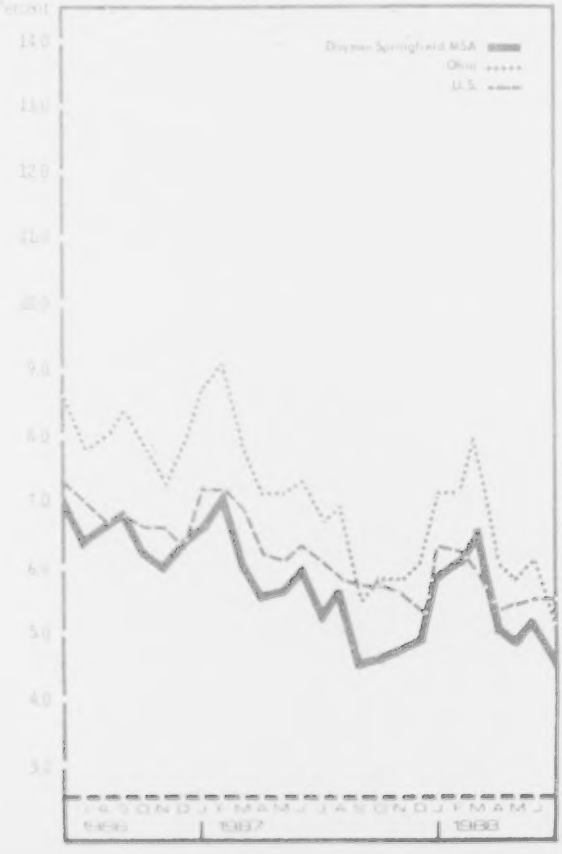
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area increased 400 from the July level, to 434,100 in August 1988. The improvement occurred in the nonmanufacturing sector, especially in retail trade, services, and construction. Manufacturing employment declined 700 due to reductions in nonelectrical machinery and transportation equipment. Factory production worker average hourly earnings increased $.03 from July, to $12.42 per hour. Their average workweek was unchanged, at 42.4 hours.

Between August 1987 and August 1988, nonfarm wage and salary employment advanced 7,800. Major improvements occurred in services (+4,200), retail trade (+3,300), and construction (+2,100). The manufacturing labor force declined 1,400 over the year, to 102,800. Significant reductions were registered in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



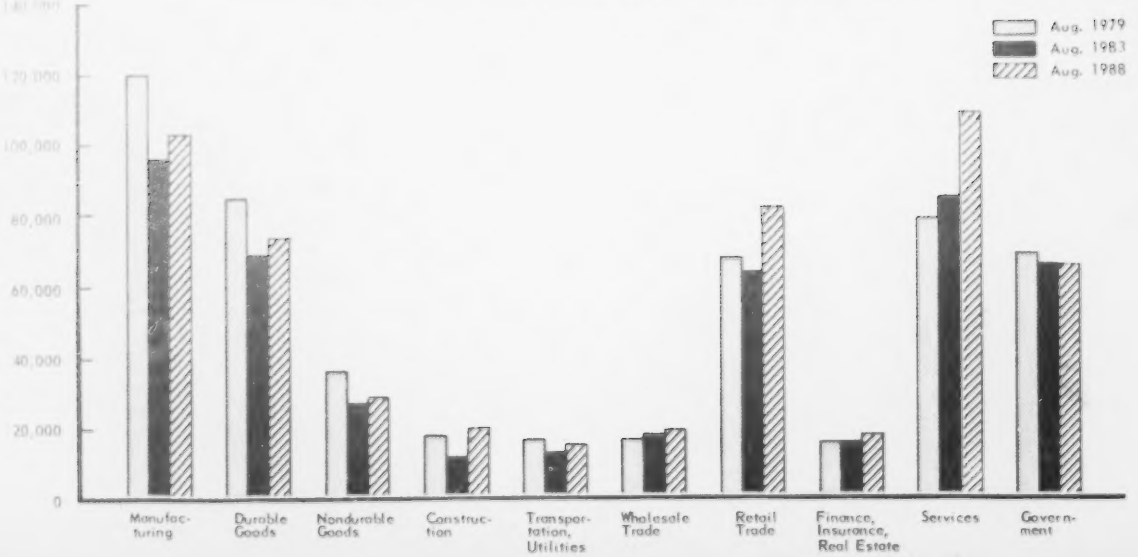
DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
464.6	439.8	24.8	5.3	July	423.8	103.6	65.8	492.19	41.5	11.86
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
465.7	445.0	20.7	4.5	July	433.7	103.4	66.0	525.34	42.4	12.39
INA	INA	INA	INA	August	434.1	102.8	65.5	526.61	42.4	12.42

INA - Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	434.1	433.7	426.3	.4	7.8
MANUFACTURING	102.8	103.4	104.2	- .7	- 1.4
Durable Goods[e]	74.0	74.8	75.0	- .8	- 1.0
Fabricated metal products	8.4	8.4	8.4	.0	.0
Machinery, except electrical	30.4	30.9	30.4	- .5	.1
Metalworking machinery	6.6	6.6	6.5	.0	.1
General industrial machinery	2.8	2.8	2.6	.0	.2
Electric and electronic equipment	5.7	5.6	6.1	.0	- .4
Electrical industrial apparatus	3.4	3.4	3.7	.0	- .3
Transportation equipment	19.8	20.2	20.7	- .4	- .9
Nondurable Goods[f]	28.8	28.7	29.2	.1	- .4
Food and kindred products	2.8	2.8	2.8	.1	.0
Paper and allied products	6.1	6.1	6.0	.0	.1
Printing and publishing	8.6	8.7	8.5	.0	.1
Rubber and misc. plastics products	7.7	7.7	8.1	.0	- .4
NONMANUFACTURING[g]	331.3	330.3	322.2	1.1	9.2
CONSTRUCTION	20.2	19.7	18.0	.5	2.1
TRANSPORTATION AND PUBLIC UTILITIES	15.7	15.8	15.7	.0	.1
Communication, electric, gas services	5.3	5.4	5.5	.0	- .2
WHOLESALE TRADE	19.3	19.3	18.7	.0	.6
Wholesale trade-durable goods	12.7	12.7	12.3	.0	.4
RETAIL TRADE	82.2	81.6	78.8	.6	3.3
General merchandise stores	12.1	12.0	11.9	.1	.3
FINANCE, INSURANCE, AND REAL ESTATE	18.6	18.4	18.3	.1	.3
Banking	4.3	4.3	4.4	.0	- .1
Credit agencies other than banks	4.8	4.8	4.8	.0	.0
Insurance carriers	2.8	2.8	2.9	.0	- .2
SERVICES	108.8	108.3	104.6	.5	4.2
Business services	27.9	27.7	26.1	.2	1.8
Health services	36.8	36.6	36.2	.2	.5
Hospitals	18.7	18.7	18.8	.0	- .1
Educational services	5.4	5.5	5.1	- .1	.3
GOVERNMENT	66.2	66.8	67.7	- .6	- 1.5
Federal government	27.9	27.9	28.4	.0	- .6
State government	6.7	6.8	6.4	- .1	.2
State government education[1]	3.6	3.7	3.4	- .1	.2
State government, except education	3.0	3.0	3.0	.0	.0
Local government	31.7	32.2	32.8	- .5	- 1.1
Local government education	16.5	16.7	17.7	- .3	- 1.2
Local government, except education	15.2	15.4	15.2	- .2	.1

Hours & Earnings of Production or Nonsupervisory Workers[a]

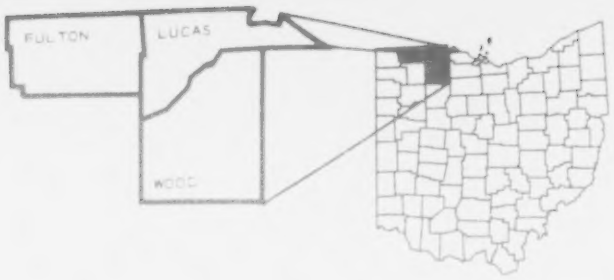
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$526.61	$525.34	$492.89	42.4	42.4	41.7	$12.42	$12.39	$11.82
Durable Goods[e]	537.14	533.35	501.18	42.8	42.6	41.8	12.55	12.52	11.99
Fabricated metal products	388.75	386.26	379.03	41.4	41.4	40.8	9.39	9.33	9.29
Machinery, except electrical	586.07	569.40	541.45	44.5	43.3	42.4	13.17	13.15	12.77
Metalworking machinery	573.30	546.32	542.39	46.8	45.3	44.9	12.25	12.06	12.08
General industrial machinery	497.29	491.70	453.36	44.6	44.7	41.9	11.15	11.00	10.82
Electric and electronic equipment	448.19	442.54	428.54	44.2	43.6	44.5	10.14	10.15	9.63
Electrical industrial apparatus	528.53	518.47	493.77	46.2	45.4	45.3	11.44	11.42	10.90
Transportation equipment	651.42	655.27	588.55	42.0	42.8	41.1	15.51	15.31	14.32
Nondurable Goods[f]	495.19	503.64	468.23	41.3	41.9	41.4	11.99	12.02	11.31
Food and kindred products	349.25	357.00	365.50	40.8	42.0	43.0	8.56	8.50	8.50
Paper and allied products	460.90	489.88	499.32	41.9	43.7	45.6	11.00	11.21	10.95
Printing and publishing	459.89	445.61	435.57	40.2	39.4	39.1	11.44	11.31	11.14
Rubber and misc. plastics products	660.66	649.27	558.18	42.0	41.7	39.7	15.73	15.57	14.06
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	558.50	550.67	545.40	40.5	40.7	40.4	13.79	13.53	13.50
WHOLESALE TRADE	407.15	404.59	422.18	39.8	39.9	41.8	10.23	10.14	10.10
RETAIL TRADE[h]	163.31	165.03	160.43	28.6	28.7	28.7	5.71	5.75	5.59
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	366.76	363.55	363.55	34.6	34.2	34.2	10.60	10.63	10.63

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,757	2,386	2,551
Active File of Job Seekers	14,385	15,784	21,533
Referrals to Jobs	3,183	2,118	1,291
Placements	1,694	1,281	370
Job Openings Received	2,792	1,774	988
Job Openings Unfilled	2,488	1,944	1,930
Unemployment Insurance Program			
Initial Claims	4,254	4,140	7,739
Continued Claims	24,736	20,268	27,301
First Payments	1,919	1,296	1,957
Last Payments	343	373	432
Weeks Compensated	18,767	16,098	20,095
Benefits Paid	$2,711,115	$2,229,036	$2,790,387
Average Weekly Payment	$147.03	$140.91	$141.68

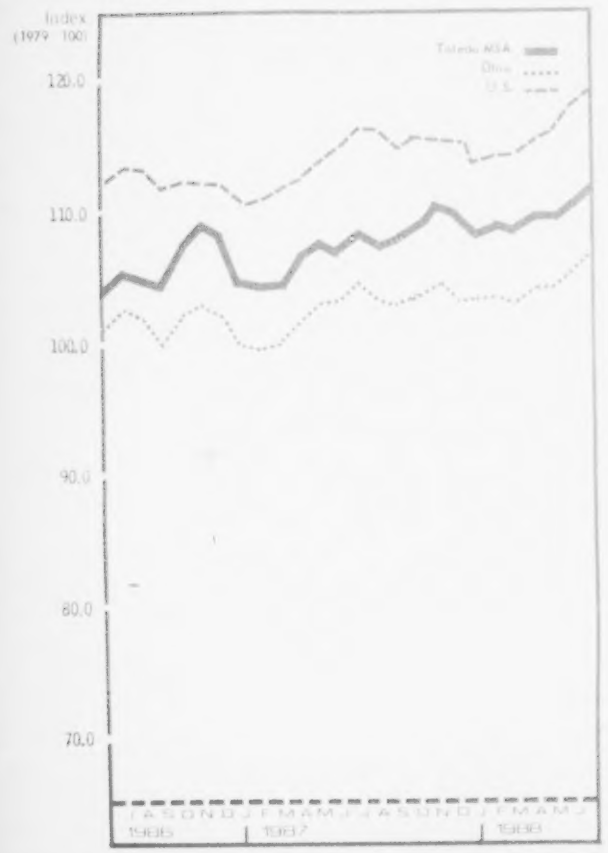
TOLEDO METROPOLITAN STATISTICAL AREA



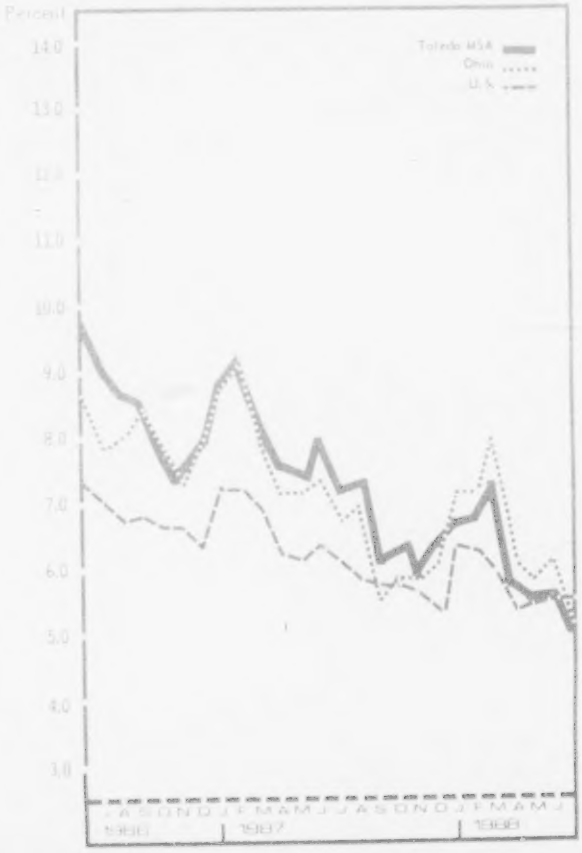
In the Toledo metropolitan area, nonagricultural wage and salary employment declined 200 from the July level, to 288,200 in August 1988. Seasonal reductions in nonteaching personnel in state and local schools and colleges (-1,100) negated scattered increases in other divisions, and reduced nonmanufacturing employment 400. Manufacturing employment increased 200 over the month due to scattered gains in nondurable-goods industries. Factory production workers averaged $12.98 per hour, up $.06 from July. Their average workweek, 42.6 hours, was .5 hours longer.

Nonfarm payroll employment advanced 10,600 between August 1987 and August 1988. Expansion in services, retail trade, and construction provided 86.8 percent of the improvement. Manufacturing employment increased 900 over the year, to 63,400. Modest growth occurred in fabricated metal products, rubber and miscellaneous plastics products, and stone, clay, and glass products, while employment in food and kindred products, transportation equipment, and electric and electronic equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

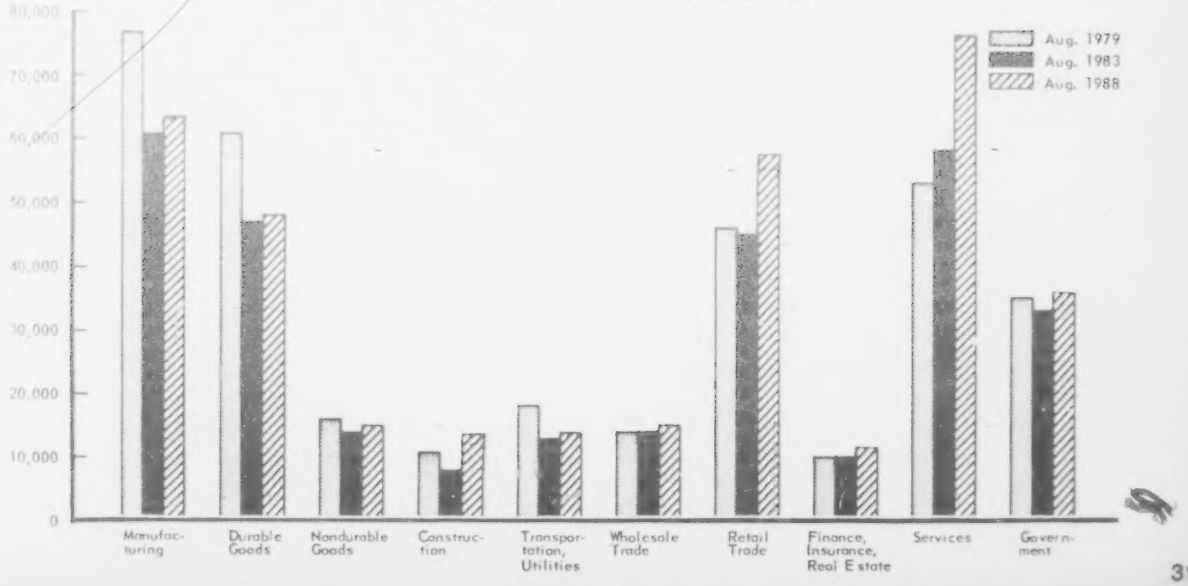


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
								Hours and Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
311.6	289.6	22.0	7.1	July	277.2	61.6	42.9	523.27	41.3	12.67
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.5	298.6	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
INA	INA	INA	INA	August	288.2	63.4	45.3	552.95	42.6	12.98

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	288.2	288.5	277.7	- .2	10.6
MANUFACTURING	63.4	63.2	62.5	.2	.9
Durable Goods[e]	48.5	48.6	47.4	- .1	1.1
Stone, clay, and glass products	8.4	8.4	8.0	.0	.4
Primary metal industries	3.5	3.4	3.3	.1	.2
Fabricated metal products	7.9	8.0	7.4	.0	.5
Metal forgings and stampings	3.5	3.5	3.2	- .1	.3
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.0	2.1	2.4	.0	- .4
Transportation equipment	15.4	15.6	15.8	- .2	- .4
Motor vehicles and equipment	14.4	14.6	14.9	- .2	- .6
Nondurable Goods[f]	14.9	14.6	15.1	.3	- .2
Food and kindred products	4.1	3.8	4.6	.2	- .5
Rubber and misc. plastics products	3.3	3.3	2.8	.0	.5
NONMANUFACTURING[g]	224.9	225.3	215.2	- .4	9.7
CONSTRUCTION	13.5	13.3	11.6	.2	1.9
TRANSPORTATION AND PUBLIC UTILITIES	14.1	14.0	14.0	.0	.1
Trucking and warehousing	5.5	5.5	5.4	.0	.1
Communication, electric, gas services	5.1	5.1	5.1	.0	.1
WHOLESALE TRADE	15.3	15.3	15.0	.0	.4
Wholesale trade-durable goods	10.1	10.1	10.0	.0	.2
RETAIL TRADE	57.5	57.2	54.5	.3	3.0
General merchandise stores	7.6	7.4	7.5	.2	.2
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.3	11.5	.1	- .1
Banking	3.6	3.6	3.6	.0	.1
SERVICES	76.5	76.4	72.2	.1	4.3
Business services	16.6	16.4	15.1	.2	1.5
Health services	27.5	27.6	27.1	- .1	.4
Hospitals	15.1	15.3	15.4	- .1	- .3
GOVERNMENT	36.3	37.5	36.1	- 1.2	.2
State government	11.7	12.6	11.5	- .9	.2
State government education[h]	7.5	8.3	7.4	- .8	.2
State government, except education	4.2	4.2	4.1	- .1	.0
Local government	22.0	22.4	22.0	- .3	.0
Local government education	11.2	11.4	11.1	- .3	.1
Local government, except education	10.9	10.9	10.9	- .1	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

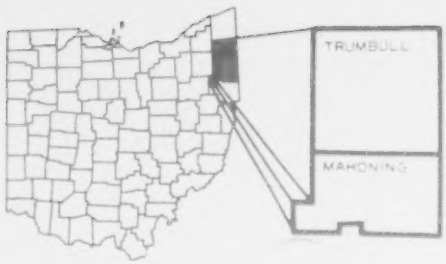
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$552.95	$543.93	$534.66	42.6	42.1	42.4	$12.98	$12.92	$12.61
Durable Goods[e]	565.19	563.30	562.36	42.4	42.1	42.7	13.33	13.38	13.17
Stone, clay, and glass products	520.70	510.24	485.56	41.0	39.8	39.8	12.70	12.82	12.20
Primary metal industries	517.99	459.41	464.62	45.2	41.5	42.2	11.46	11.07	11.01
Fabricated metal products	512.89	496.94	529.19	41.8	40.9	42.2	12.27	12.15	12.54
Metal forgings and stampings	643.62	598.02	662.63	43.4	41.3	45.2	14.83	14.48	14.66
Machinery, except electrical	486.16	503.16	485.41	41.2	42.0	42.1	11.80	11.98	11.53
Electric and electronic equipment	490.04	471.65	503.85	42.1	40.8	40.6	11.64	11.56	12.41
Transportation equipment	697.00	712.97	688.20	42.5	43.5	44.4	16.40	16.39	15.50
Motor vehicles and equipment	705.50	720.80	691.75	42.5	43.5	44.4	16.60	16.57	15.58
Nondurable Goods[f]	511.25	474.05	446.13	43.4	42.1	41.5	11.78	11.26	10.75
Food and kindred products	656.40	567.19	497.31	47.6	43.9	43.7	13.79	12.92	11.38
Rubber and misc. plastics products	343.61	349.01	318.39	41.2	42.1	39.7	8.34	8.29	8.02
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	632.35	622.99	607.57	42.9	42.7	41.7	14.74	14.59	14.57
WHOLESALE TRADE	396.76	389.65	356.25	39.4	39.2	37.5	10.07	9.94	9.50
RETAIL TRADE[h]	160.31	161.24	163.94	29.2	29.0	29.7	5.49	5.56	5.52

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,411	2,388	1,618
Active File of Job Seekers	17,289	17,469	17,277
Referrals to Jobs	2,007	1,523	1,409
Placements	787	576	637
Job Openings Received	1,410	906	703
Job Openings Unfilled	1,629	1,299	1,584
Unemployment Insurance Program			
Initial Claims	3,420	3,506	3,140
Continued Claims	18,400	16,476	22,663
First Payments	1,558	1,220	1,208
Last Payments	262	271	334
Weeks Compensated	13,795	13,292	17,238
Benefits Paid	$1,993,002	$1,882,320	$2,413,759
Average Weekly Payment	$147.44	$145.15	$142.95

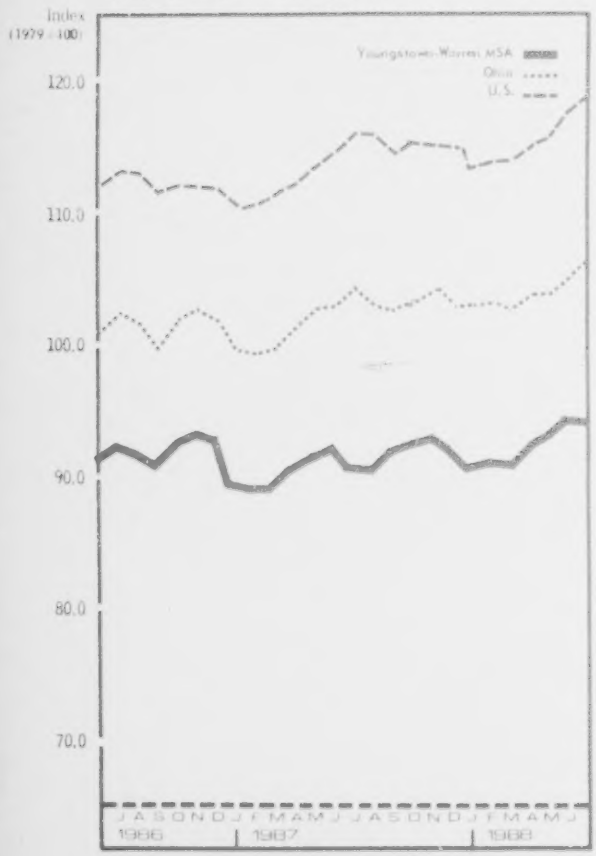
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



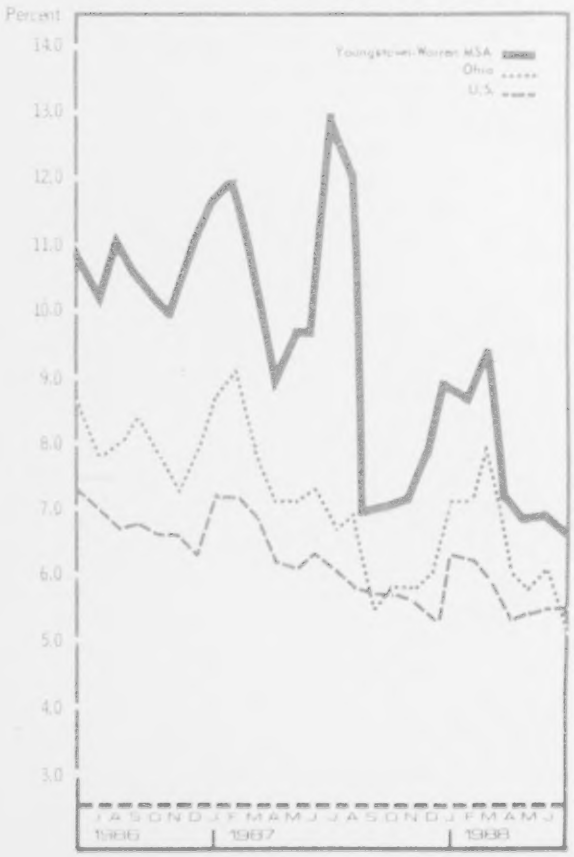
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 1,600 from July, to 194,800 in August 1988. Manufacturing employment increased 1,400 due to the return of workers from a temporary shutdown in primary metal industries and scattered gains in other durable-goods industries. Nonmanufacturing added 200 jobs over the month with a modest gain in retail trade. Factory production worker average hourly earnings increased slightly from July, to $13.45 per hour. Their average workweek, 41.7 hours, was .6 hours shorter.

Between August 1987 and August 1988, nonfarm wage and salary employment advanced 9,300. The nonmanufacturing sector netted 58.1 percent of the gain. Noteworthy improvements occurred in retail trade and services. Manufacturing employment increased 3,900 over the year due to expansion in transportation equipment (+3,300).

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



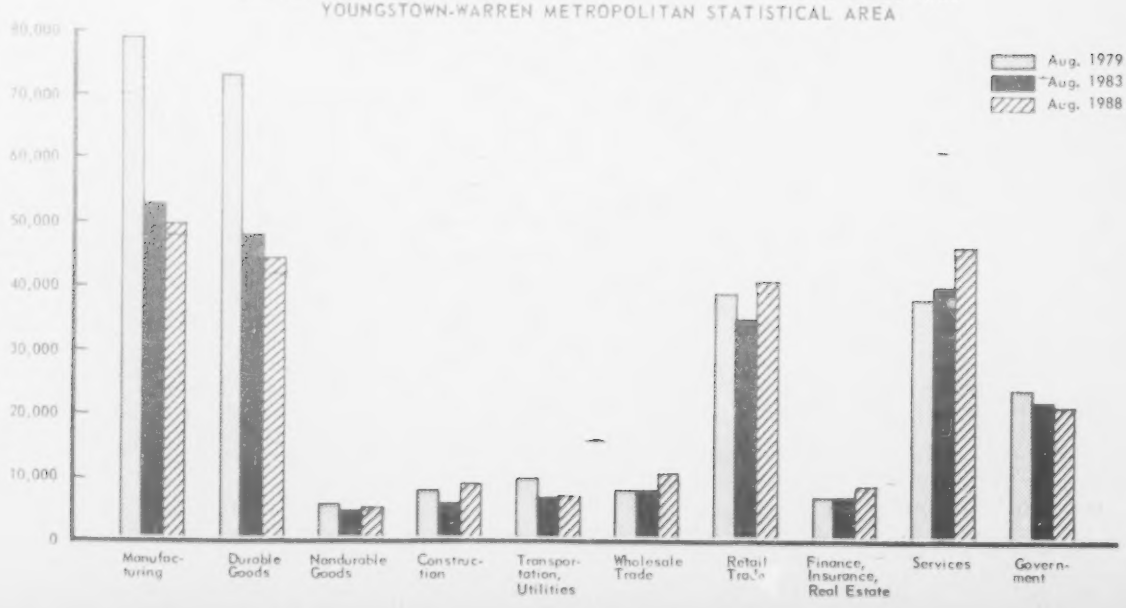
YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed				Manufacturing Employment					
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
228.0	198.4	29.6	13.0	July	183.4	43.8	31.5	541.80	42.0	12.90
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.6	207.4	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
INA	INA	INA	INA	August	194.8	49.8	37.8	560.87	41.7	13.45

INA Information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	August 1988[b]	July 1988[c]	August 1987[c]	From Last Month	From Last Year
TOTAL	194.8	193.2	185.5	1.6	9.3
MANUFACTURING	49.8	48.5	45.9	1.4	3.9
Durable Goods[e]	44.4	43.1	40.7	1.3	3.6
Primary metal industries	18.6	17.8	18.3	.8	.3
Blast furnace and basic steel products	5.5	5.6	5.5	-.0	.0
Fabricated metal products	7.4	7.2	7.3	.2	.1
Machinery, except electrical	3.8	3.8	3.7	.0	.1
Electric and electronic equipment	2.2	2.1	2.3	.0	-.1
Transportation equipment	9.2	9.1	5.9	.1	3.3
Nondurable Goods[f]	5.5	5.4	5.2	.1	.3
NONMANUFACTURING[g]	145.0	144.8	139.6	.2	5.4
CONSTRUCTION	9.3	9.2	8.5	.1	.8
TRANSPORTATION AND PUBLIC UTILITIES	7.7	7.7	7.6	.0	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	.0
WHOLESALE TRADE	10.6	10.5	9.8	.1	.8
Wholesale trade-durable goods	6.4	6.4	6.3	.0	.1
RETAIL TRADE	41.0	40.8	38.8	.2	2.2
General merchandise stores	5.2	5.2	5.4	.0	-.2
FINANCE, INSURANCE, AND REAL ESTATE	8.6	8.6	8.3	.0	.2
Banking	2.9	2.9	2.9	.0	.0
SERVICES	46.0	45.8	44.5	.1	1.5
Health services	20.1	19.9	19.6	.2	.4
Hospitals	10.3	10.3	10.1	.0	.2
GOVERNMENT	21.3	21.6	21.3	-.3	.0
State government	3.4	3.7	3.4	-.3	.0
State government education[1]	1.8	2.1	1.8	-.2	.1
State government, except education	1.6	1.6	1.6	.0	.0
Local government	15.7	15.8	15.8	-.1	-.1
Local government education	9.1	9.2	9.4	.0	-.2
Local government, except education	6.6	6.6	6.4	.0	.2

Youngstown-Warren MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]	Aug. 1988[b]	Jul. 1988[c]	Aug. 1987[c]
MANUFACTURING	$560.87	$568.09	$548.98	41.7	42.3	42.1	$13.45	$13.43	$13.04
Durable Goods[e]	573.08	583.62	563.86	41.8	42.6	42.3	13.71	13.70	13.33
Primary metal industries	627.24	624.07	624.52	41.9	41.8	43.1	14.97	14.93	14.49
Blast furnace and basic steel products	603.44	629.29	620.14	44.6	45.8	45.2	13.53	13.74	13.72
Fabricated metal products	538.90	542.05	512.40	41.2	41.6	40.0	13.08	13.03	12.81
Machinery, except electrical	488.06	484.36	482.98	42.7	42.6	41.6	11.43	11.37	11.61
Electric and electronic equipment	456.96	454.50	431.82	40.8	40.4	39.4	11.20	11.25	10.96
Transportation equipment	610.56	654.40	618.87	42.4	45.1	44.3	14.40	14.51	13.97
Nondurable Goods[f]	426.52	420.25	412.23	40.2	40.1	40.1	10.61	10.48	10.28
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	568.99	559.71	557.03	40.7	40.5	40.6	13.98	13.82	13.72
WHOLESALE TRADE	368.68	362.62	334.88	39.6	38.7	37.5	9.31	9.37	8.93
RETAIL TRADE[h]	179.40	179.98	173.75	29.8	29.7	29.3	6.02	6.06	5.93

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	August 1988	July 1988	August 1987
Employment Service Program			
New Applicants	2,973	2,495	2,362
Active File of Job Seekers	17,000	16,283	18,953
Referrals to Jobs	1,491	1,580	1,919
Placements	372	340	876
Job Openings Received	717	930	984
Job Openings Unfilled	1,648	1,477	630
Unemployment Insurance Program			
Initial Claims	3,369	4,231	3,292
Continued Claims	17,947	15,941	31,835
First Payments	1,735	1,669	4,750
Last Payments	232	244	328
Weeks Compensated	14,252	13,218	28,527
Benefits Paid	$2,043,692	$1,846,011	$4,660,409
Average Weekly Payment	$146.27	$142.74	$165.94

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	August 1988	July 1988	August 1987
New Applicants	41,677	38,482	40,304
Active File of Job Seekers	260,482	263,530	288,038
Counseling Interviews	1,422	1,173	1,243
Tests Administered	3,262	1,163	2,897
General Aptitude Tests	223	70	369
Proficiency Tests	400	241	556
Specific Aptitude Tests	296	650	517
Referrals to Jobs	35,536	31,082	28,897
Placements	10,279	9,816	9,417
Job Openings Received	20,060	18,228	16,847
Job Openings Unfilled	31,465	27,122	25,903

Selected Unemployment Insurance Activities

	August 1988	July 1988	August 1987
Initial Claims	50,357	51,819	53,967
Continued Claims	345,821	316,853	362,485
First Payments	24,581	19,490	24,915
Last Payments	5,591	6,052	6,340
Average Weekly Claimants	73,328	74,662	89,491
Average Weekly Benefit Recipients	58,646	57,831	71,759
Weeks Compensated	264,289	246,644	295,614
Benefits Paid	$39,148,040	$36,051,763	$43,051,073
Average Weekly Payment	$151.17	$149.40	$148.81
Continued Claims for Survey Week	70,513	77,174	83,063
Insured Unemployment Rate	1.7	1.7	2.1
Net Contributions	$148,460,982	$51,966,913	$161,295,796
Active Employer Accounts	200,659	200,528	195,513

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